

AD-A087 816 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 8/2
SANDHOFEN GERMANY/COLEMAN AAF. REVISED UNIFORM SUMMARY OF SURFA--ETC (U)
FEB 72
UNCLASSIFIED USAFETAC/DS-80/056

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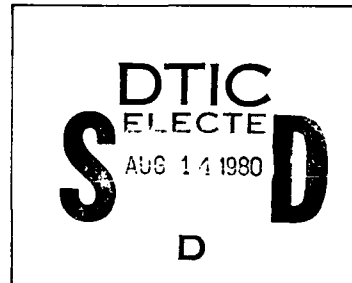
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USAFETAC/DS-80/050

REVIEW OF FORMER SUMMARY OF SURFACE WEATHER OBSERVATIONS

PARTS A-F
POR FROM HOURLY OBS AUG 59-DEC 70
POR FROM DAILY OBS JAN 64-FEB 65, SEP-NOV 65.
JAN-MAY 66, NOV 66-DEC 70

FEB 16 1972

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS- 80/56	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Sandhofen Germany/Coleman AAF		5. TYPE OF REPORT & PERIOD COVERED Final rept.															
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER															
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11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		10. PROGRAM ELEMENT PROJECT TASK AREA & WORK UNIT NUMBER															
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17. DISTRIBUTION STATEMENT of the abstract (entered on page 2) (if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary, and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary, and identify by block number) This report is a six-part statistical summary of surface weather observations for Sandhofen Germany/Coleman AAF. It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

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19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

*Germany **Sandhofen Germany/Coleman AAF
20. and dew point temperatures and relative humidity); and (F) Pressure
Summary (means, standard, deviations, and observation counts of
station pressure and sea-level pressure). Data in this report are
presented in tabular form, in most cases in percentage frequency of
occurrence or cumulative percentage frequency of occurring tables.

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DATA PROCESSING DIVISION
USAFETAC OL-1
AIR WEATHER SERVICE (MAC)

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA DATA NOT AVAILABLE

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

DATA NOT AVAILABLE

EXTREME MAX & MIN TEMP

DATA NOT AVAILABLE

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV.
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS:

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

APRIL 00-02, 21-23

JULY _____

OCTOBER 00-02, 21-23

FEBRUARY 00-02, 21-23

MAY 00-02, 21-23

AUGUST 00-02, 21-23

NOVEMBER 00-02

MARCH 00-02

JUNE 00-02, 21-23

SEPTEMBER 00-02

DECEMBER 00-02

STATION NO OR SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV (FT)	CALL SIGN	WMO NUMBER
34068	SANDHOFEN GERMANY/COLEMAN AAF	N 49 34	E 008 28	334	EDOR	10729

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			STATION (FT)	TYPE BAROMETER	
1	Coleman AAF Sandhofen Germany	AAF	Aug 59	Apr 61	N 49 34	E 008 28	324	359	11to16
2	No change	AAF	May 61	Oct 65	No chge	No chge	No chge	355	12to16
3	No change	AAF	Nov 65	Dec 70	No chge	No chge	334	327	15

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Aug 59 to Feb 60	Located on top of control tower.	AN/GMQ-11	None	50 ft	
2	Mar 60 to Feb 61	Located on top of GCA shack, 400 ft from active runway.	No chge	None	15 ft	
3	Mar 61 to Apr 61	Located in the control tower.	No chge	None	60 ft	
4	May 61 to Feb 62	Located on top of control tower.	No chge	None	46 ft	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
5	Mar 62 to May 68	Located on roof of operations bldg next to ROS.	AN/GMQ-1	None	56 ft	
6	Jun 68 to Dec 70	Located 500 ft W of centerline of rwy 05/23 near midpoint of rwy.	AN/GMQ-1	RO-2	14 ft	

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

1

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/PAC

WEATHER CONDITIONS

34068
 STATION

SAARLOREN GERMANY/COLEMAN AAF
 STATION NAME

59-70
 YEARS

ALL
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	ALL		7.0	.7	8.3		15.6	37.8	67.8			87.8	4275
FEB		.1	11.0	.1	7.2		17.9	25.8	62.4			67.3	3917
MAR		.0	11.4	.0	3.1	.0	13.9	15.5	66.6			69.1	4550
APR		.4	13.5	.0	.5	.1	13.8	12.0	49.5		.0	51.3	4495
MAY		.9	10.2			.0	10.2	12.8	45.1		.0	46.3	4568
JUN		1.2	9.9			.1	8.9	11.6	42.1		.0	43.6	4316
JUL		.9	17.5				17.6	9.1	44.3		.0	45.4	4401
AUG		.8	8.2				8.2	13.0	41.6			44.7	4926
SEP		.4	13.6				13.6	19.5	45.3			49.9	4640
OCT		.1	8.3				8.3	33.2	53.9			73.0	4749
NOV			11.1	.1	2.6		13.5	29.7	68.9			75.8	4534
DEC			10.1	.6	5.8		16.1	33.7	71.6			80.0	4545
TOTALS		.4	10.9	.1	2.3	.0	13.1	21.1	55.8		.0	61.2	33916

1

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

WEATHER CONDITIONS

34069
STATION

SAUMFEE GERMANY/COLETA AAF
STATION NAME

60-70

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH BEST VISION	TOTAL NO. OF OBS
JAN	0-23						100.0					100.0	1
	03-05		9.9	3.3	13.2		25.3	34.1	76.9			64.6	91
	06-08		9.1	.7	9.8		18.9	36.6	71.3			65.1	879
	09-11		9.3	.3	9.4		18.8	35.7	76.6			69.2	914
	12-14		9.4	.7	9.8		19.0	24.3	74.9			62.2	890
	15-17		9.2	.1	10.1		18.7	23.4	71.8			79.6	851
	18-20		8.7	.2	8.4		17.0	27.5	69.2			61.3	630
	21-23				5.3		5.3	21.1	100.0			100.0	19
TOTALS			7.6	.7	8.3		15.4	37.8	67.8			67.8	4275

1

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AGC

WEATHER CONDITIONS

34069
STATION

54 WILHELM STRASSE GERMANY/COLE AFB
STATION NAME

60-70
YEAR

FF3
UNIT

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM DAILY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBS VISIBILITY	TOTAL OBS WITH PRECIP
FEB	10-02												
	3-05		11.0		7.3		18.3	47.2	75.0			87.5	92
	6-09		9.5	.4	7.5		17.3	39.5	62.3			73.0	870
	9-11	.1	10.0	.2	7.0		19.5	30.9	68.7			76.6	853
	12-14		10.0		5.0		16.0	14.0	61.3			63.9	833
	15-17	.1	12.0		7.2		19.1	13.7	54.0			55.9	796
	18-20	.2	12.0		5.1		19.9	16.6	50.3			53.9	553
	21-23												
TOTALS		.1	11.0	.1	7.2		17.9	25.0	62.4			67.3	3917

1

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

WEATHER CONDITIONS

34068
STATION

SA DUEBEL GERMANY/COLEMAN AAF
STATION NAME

60-70
YEARS

YEAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBS TO WHICH	TOTAL NO. OF OBS
YEAR	0-02												
	03-05		10.2		5.4		18.9	43.2	79.4			87.8	74
	06-08		12.3	.1	4.6	.1	16.2	33.0	77.0			60.6	940
	09-11		9.9		4.8		14.2	16.9	72.8			75.2	966
	12-14		12.5		2.3		14.6	6.0	56.6			57.3	943
	15-17	.1	11.8		1.9		13.6	4.1	46.9			47.5	912
	18-20	.1	12.2		2.7		14.7	5.6	49.8			50.6	695
	21-23		5.0				5.0		85.0			85.0	20
TOTALS		.2	11.4	.2	3.1	.2	13.9	15.5	66.6			69.1	4550

1

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34008
STATION

SA DUFFE GERMA V/COLEMAN AAF
STATION NAME

60-70

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02												
	03-05		9.2				9.2	31.1	78.2			80.7	119
	06-08	.1	17.2		1.0		17.7	24.2	69.6			73.0	923
	09-11	.2	15.9		.7		16.3	8.6	59.0			60.7	945
	12-14	.3	11.8	.1	.9	.3	12.6	2.1	38.3		.1	38.7	925
	15-17	.2	11.5		.2		11.7	1.2	25.9		.1	25.8	892
	18-20	1.3	15.1		.1		15.1	4.5	26.3			28.7	691
	21-23												
TOTALS		.4	13.5	.0	.5	.1	13.8	12.0	49.5		.0	51.3	4495

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

WEATHER CONDITIONS

34068
STATION

SANDROPER GERMANY/COLEMAN AAF
STATION NAME

60-70
YEARS

DAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
DAY	0-02												
	03-05	.8	10.1				10.1	47.1	86.6			86.6	119
	06-08		11.8				11.8	21.8	65.7			70.0	934
	09-11	.2	10.7				10.7	9.4	53.9			54.8	960
	12-14	1.0	10.7				10.7	1.5	29.6			30.1	944
	15-17	1.8	9.4				9.4	.9	16.9		.1	17.3	911
	18-20	1.6	8.7			.1	8.7	2.3	17.9			18.9	700
	21-23												
TOTALS		.9	10.2			.0	10.2	12.8	45.1		.0	46.3	4568

1

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34C68
STATION

SAND-OFEN GERMANY/COLEMAN AAF
STATION NAME

60-70
YEARS

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUN	00-02												
	03-05		7.8				7.8	36.9	74.8			76.7	103
	06-08	.3	8.3				8.3	22.5	61.9			66.4	876
	09-11	.8	8.1				8.1	4.6	49.5			50.6	927
	12-14	.9	9.7				9.7	2.1	28.9			28.9	911
	15-17	3.2	10.2			.1	10.2	1.4	19.2			19.3	876
	18-20	2.2	9.3			.2	9.5	1.8	18.5		.2	19.4	623
	21-23												
TOTALS		1.2	8.9			.1	8.9	11.6	42.1		.2	43.6	4316

1

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

WEATHER CONDITIONS

34068
STATION

SHILOH GERNA V/COLEIA AAF
STATION NAME

60-70
YEAR

YEAR

UNIT
OFFICE

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LIST	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAUL	NO OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	WIND AND/OR SAND	WINDY WITH TOURISM	TOTAL OBS
JUL	0-23		100.0				100.0						1
	03-05		6.6				6.6	43.4	64.0			64.9	106
	06-08	.4	6.4				6.4	22.6	62.7			67.9	890
	09-11	.1	6.7				6.7	3.6	51.1		.1	51.8	936
	12-14	1.3	6.9				6.9	1.7	25.5			25.9	916
	15-17	2.6	6.2				6.9	.7	15.9		.1	16.2	892
	18-20	2.5	7.3				7.3	1.2	15.4		.1	16.1	669
	21-23								100.0			100.0	1
TOTALS		.9	17.6				17.6	9.1	44.2	.0	45.4	4401	

1

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

WEATHER CONDITIONS

34066
STATION

SANDHORN GERMANY/COLE AAF
STATION NAME

59-70
YEAR

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN AND/OR DRIZZLE	SNOW AND/OR SLEET	HAUL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
AUG	0-02												
	03-05		7.1				7.1	31.5	66.1			68.5	127
	06-08	.3	9.4				9.4	32.7	63.3			74.3	992
	09-11	.1	8.7				8.7	7.4	84.8			97.8	1050
	12-14	1.7	8.2				8.2	2.6	29.8			30.7	1026
	15-17	1.6	7.3				7.3	1.2	18.0			18.2	957
	18-20	1.9	8.7				8.7	2.6	17.6			18.5	744
	21-23												
TOTALS		.8	8.2				8.2	13.0	41.6			44.7	4926

1

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

WEATHER CONDITIONS

34068
 STATION

SALZBURG GERMANY/COLEMAN AFB
 STATION NAME

59-70
 YEARS

SEP
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
SEP	0-02												
	3-05		9.6				9.6	54.4	73.7			82.5	114
	06-08		5.3				5.3	55.5	64.3			81.7	933
	09-11	0.1	6.7				6.7	18.8	65.0			69.4	995
	12-14	0.4	6.9				6.9	20.8	45.7			46.2	970
	15-17	0.6	8.0				8.0	10.5	33.0			33.9	924
	18-20	1.4	8.4				8.4	3.8	35.3			36.3	702
	21-23		50.0				50.0						2
TOTALS		.4	13.6				13.6	19.5	45.3			49.9	4640

1

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34068
STATION

SANDHOFEN GERMANY/COLEMAN AAF
STATION NAME

59-70
YEARS

YEARS

LCY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (1ST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH VISIB TO VISION	TOTAL NO. OF OBS
OCT	00-02												
	03-05		4,1				4,1	57,7	70,1			82,5	97
	06-08		9,2				9,2	56,4	69,4			83,9	960
	09-11		8,8				8,8	39,6	73,9			83,4	1032
	12-14		9,3				9,3	15,5	62,6			67,0	1004
	15-17	.1	8,8				8,8	11,8	55,2			58,7	965
	18-20	.3	9,6				9,6	22,3	56,3			62,2	691
	21-23												
TOTALS		.1	8,3				8,3	33,2	63,9			73,0	4769

1

DATA PROCESSING DIVISION
USAF BTAC
AIR WEATHER SERVICE/TAC

WEATHER CONDITIONS

3406R
STATION

SANDHOFEN GERMANY/COLEMAN AAF
STATION NAME

59-70
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREZZING RAIN OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	GLUT AND/OR DAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV 00-02												
3-05		11.0		.9		11.9	45.7	72.5			78.0	109
06-08		12.5		3.2		15.5	42.7	61.3			73.9	895
09-11		13.7		2.9		16.6	37.3	67.7			76.5	975
12-14		11.8		3.5		15.0	21.9	63.9			69.3	953
15-17		13.3		2.8		16.0	21.5	62.5			68.0	915
18-20		15.4	.4	4.6		19.7	25.3	54.7			64.9	680
21-23							14.3	100.0			100.0	7
TOTALS		11.1	.1	2.6		13.5	29.7	68.9			75.8	4534

1

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

WEATHER CONDITIONS

34068
 STATION

SAIGON, VIETNAM/COLEMAN AFB
 STATION NAME

59-70
 YEAR

DEC
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
DEC	0-02												
	3-05		3.6	1.2	7.2		12.0	39.2	65.1			72.3	83
	06-08		8.4	.1	9.0		16.8	37.4	61.9			75.3	904
	09-11		9.6	1.2	5.3		16.4	37.7	71.7			83.3	992
	12-14		11.4	.6	7.3		18.8	25.1	70.4			77.8	949
	15-17		12.4	.6	4.6		17.4	25.8	69.5			78.1	904
	18-20		11.1	.4	5.9		17.3	32.1	67.3			77.9	692
	21-23		14.3				14.3	38.1	95.2			95.2	21
TOTALS			10.1	.6	5.8		16.1	33.7	71.6			80.0	4343

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

1 DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 PRECIPITATION
 (FROM DAILY OBSERVATIONS)

36068 SA BODFEN GERMANY/COLEMAN AAF 65-67, 69-70
 STATION STATION NAME YEARS

PRECIP	NONE	TRACE	AMOUNTS INCHES												PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS INCHES		
			0	22.25	25.00	27.25	29.50	31.75	34.00	36.25	38.50	40.75	43.00	45.25			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.24	0.54	5.24	21.34	33.44	41.54	45.04	45.54	45.54	45.54	45.54	OVER 50.4					
SNOW DEPTH	NONE	TRACE	2	3	4.6	7.2	9.24	25.30	37.48	49.62	6	20	OVER 27						
JAN																			
FEB	28.6	12.5	3.6	26.8	12.5	10.7	3.6	1.8							58.9	56	1.75	2.80	.69
MAR	25.8	33.3	6.1	6.5	4.8	17.7	1.6								39.7	62	1.39	1.76	1.02
APR	20.0	21.1	2.2	25.6	8.9	17.8	3.3	1.1							58.9	90	2.01	2.62	1.55
MAY	40.3	12.9	6.5	9.7	4.6	11.3	9.7	3.2	1.6						46.8	62	3.22	3.41	3.03
JUN	33.3	23.3	6.7	11.7	1.7	8.3	10.0	3.3	1.7						43.3	60	3.09	4.98	1.20
JUL	33.6	14.0	2.2	6.5	5.4	7.5	7.5	3.2							32.3	93	2.08	2.39	1.61
AUG	44.1	20.4	1.1	8.6	7.5	10.8	4.3	3.2							35.5	93	2.00	3.45	.88
SEP	56.7	16.7	2.2	5.6	5.6	6.7	3.3	1.3							26.7	90	1.39	2.54	.84
OCT	63.4	14.0	4.3	7.5	6.5	3.2	1.1								22.6	93	.56	1.18	.13
NOV	23.3	20.0	3.3	25.6	7.8	12.2	4.4	3.3							56.7	90	2.26	4.10	.89
DEC	19.4	9.7	3.2	32.3	9.7	22.6	3.2								71.0	31	2.14	2.14	2.14
ANNUAL	37.2	18.2	3.9	15.1	6.8	11.7	4.7	2.0	.3						44.7	820	2.09		

EXTREME VALUES

PRECIPITATION
FROM LAST OBSERVATION

SA - DUFEN GERMANY/COLEMAN AAF
STATION NAME

65-70

15405

24 HOUR AMOUNTS 1 INCHES

[illegible]

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION
FROM DAILY OBSERVATION

34068
STATION

SANDHOFFEN GERMANY/COLEMAN AAF
STATION NAME

65-70
YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS	
64													PRECIP DAYS	
65	0	0	0	0	0	0	0	0	1.60 29	0	0	0	PRECIP DAYS	
66	0 .32 26	0 .45 27	0 .24 28		0 .17 25						0 .29 28		PRECIP DAYS	
67	.13 28			.38 28	.67 29					.17 22	.14 22	0	PRECIP DAYS	
68	.30 1	0	0	0	0	0	0	.95 22	.70 21	.66 23	.37 26	.18 23	PRECIP DAYS	
69	.80 24	.32 21	.33 28										.27 27	PRECIP DAYS
70	.36 29					.47 29							.48 30	PRECIP DAYS

1 DATA PROCESSING DIVISION
USAF ETAG
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
FROM DAILY OBSERVATIONS

34068 SANDHOFEN GERMANY/COLEMAN AAF
STATION STATION NAME

69-70

YEARS

		AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-04	05-24	01-04	01-04	05-04	05-04	05-04	05-04	05-04	05-04	05-04					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-61	62-120	OVER 25						
JAN																			
FEB	42.9	51.1	3.0	3.6											7.1	28	1.1	1.1	1.1
MAR	71.0	25.2	3.2												3.2	31	.2	.2	.2
APR	88.3	11.7														60	TRACE	TRACE	TRACE
MAY	100.0															62	.0	.0	.0
JUN	100.0															30	.0	.0	.0
JUL	100.0															62	.0	.0	.0
AUG	100.0															62	.0	.0	.0
SEP	100.0															60	.0	.0	.0
OCT	100.0															62	.0	.0	.0
NOV	88.3	10.0		1.7											1.7	60	.5	1.0	TRACE
DEC																			
ANNUAL	89.1	9.8	.7	.5											1.2	517	1.8		

EXTREME VALUES

SNOWFALL
FROM DAILY OBSERVATIONS

34068
STATION

SANDHOFEN GERMANY/COLEMAN AAF
STATION NAME

68-70

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

EXTREME VALUES

SNOWFALL
FROM DAILY OBSERVATION

SANDHOFEN GERMANY/COLEMAN AAF
STATION NAME

68-70

YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

1 DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

34068 SANDHUFEN GERMANY/COLEMAN AAF 64, 67, 69-70
STATION STATION NAME YEARS

AMOUNTS (INCHES)														
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	PERCENT OF DAYS WITH MEASURABLE AMTS
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504	TOTAL NO OF OBS
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120	MEAN
JAN														
FEB	67.9	32.1												28
MAR	90.2	9.8	3.2											3.2 62
APR	100.0													120
MAY	100.0													93
JUN	100.0													90
JUL	100.0													93
AUG	100.0													124
SEP	100.0													90
OCT	100.0													93
NOV	95.0	3.3	1.7											1.7 60
DEC														
ANNUAL	95.2	4.2	.5											.5 653

EXTREME VALUES

SNOW DEPTH
FROM DAILY OBSERVATIONS.

24068
STATION

SANDHOFFEN GERMANY/COLEMAN AAF
STATION NAME

64-65, 67-70

YEARS

DAILY SNOW DEPTH IN INCHES

[illegible]

EXTREME VALUES

SNOW DEPTH

24068
STATION

SANDHOFEN GERMANY/COLEMAN AAF
STATION NAME

44-68, 47-70

• **ARS**

DAILY SNOW DEPTH IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

EXTREME VALUES

SURFACE WINDS
FROM ALL OBSERVATIONS

34068	SANDHOFEN GERMANY/COLEMAN AAF
STATION	STATION NAME

66-70

• FARS

DAILY PEAK GUSTS IN KNOTS

[illegible]

EXTREME VALUES

SURFACE WINDS

08-70

DAILY PEAK GUSTS IN KNOTS
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

[illegible]

DATA PROCESSING DIVISION
 STAC/USAF
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

30000 SANDHORN GERMANY/COLEMAN AAF

59-70

ALL WEATHER

ALL

ALL

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.0	2.7	.0	.0	.0						0.9	0.2
NNE	1.0	1.0	1.0	.0	.0	.0						4.9	0.2
NE	.0	1.0	1.4	.0	.0							4.9	0.2
ENE	.0	1.0	1.1	.0	.0							3.0	0.0
E	.0	1.0	.0	.1	.0							2.4	0.2
ESE	.0	.7	.2	.0	.0							1.0	0.0
SE	.0	1.0	.0	.0	.0							1.0	0.0
SSE	.0	2.0	1.0	.0	.0							4.0	0.7
S	1.1	4.1	2.2	1.9	.0	.0	.0					12.9	7.0
SSW	.0	1.0	2.4	1.0	.0	.0	.0					0.1	0.0
SW	.0	1.0	2.0	1.0	.0	.0	.0					0.0	0.0
WSW	.0	1.0	2.0	1.0	.0	.0	.0					7.0	0.0
W	.0	2.0	2.0	1.0	.0	.0	.0		.0			0.1	0.0
WNW	.0	1.0	.0	.0	.0	.0						0.0	7.0
NW	.0	1.0	.0	.0	.0							0.0	0.0
NNW	.0	1.0	1.0	.0	.0							4.1	0.0
VARBL	2.0	.0	.0									2.0	2.0
CALM												10.0	
	10.9	20.1	27.9	11.2	1.0	.0	.0		.0			100.0	0.0

TOTAL NUMBER OF OBSERVATIONS

32919

1

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
FROM HOURLY OBSERVATIONS

1405A SA FLEET DEPTA V/CLE A- 448

4-72

4-4-54 - SAT - 54

[illegible]

TOTAL NUMBER OF OBSERVATIONS

4275

DATA PROCESSING DIVISION
 STAC/USAF
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

34068 SW DREER GERMANY/GLENA 44F 60-70 FEB
 STATION STATION NAME YEARS MONTH
 ALL WEATHER ALL
 CLASS HOURS (LST)
 CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	4.5	3.3	1.5								10.1	6.3
NNE	1.5	2.5	1.8	1.7	1.5	1.0						5.5	6.5
NE	1.0	2.1	1.8	1.4	1.1							5.2	6.5
ENE	1.0	1.9	1.5	1.4								4.6	6.4
E	1.6	1.9	1.2	1.1								1.8	4.6
ESE	1.5	1.5	1.1									1.0	4.5
SE	1.5	1.0	1.4	1.1								1.7	5.1
SSE	1.0	2.3	1.9	1.4	1.0							5.4	6.4
S	1.5	3.3	3.5	2.6	1.2							12.9	8.2
SSW	1.3	1.9	2.1	1.1	1.2	1.0						4.7	6.1
SW	1.3	1.1	1.7	1.4	1.3	1.0	1.1					4.5	6.4
WSW	1.5	1.7	2.5	1.9	1.4	1.1	1.0					7.0	6.4
W	1.7	1.6	2.1	2.2	1.7	1.2	1.1					7.7	10.1
WNW	1.6	1.1	1.8	1.5	1.2							3.1	7.5
NW	1.7	1.2	1.8	1.6	1.0							3.2	6.9
NNW	1.7	1.7	1.2	1.3	1.0							4.0	6.2
VARBL	1.4	1.2										1.5	3.7
CALM												17.1	
	11.3	20.1	27.7	13.1	2.2	1.2	1.2					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 3918

1

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

<u>3608</u>	<u>SA KOREA GERMANY/CLEVELAND AAF</u>	<u>AC-7C</u>	<u>YEAR</u>	<u>MAR</u>
STATION	STATION NAME			MONTH
		<u>ALL WEATHER</u>		<u>MAY</u>
		CLASS		HOURS OF DAY
		CONDITION		

SPEED KNTS D.R	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 55	%	MEAN WIND SPEED
N	1.1	3.5	2.7	.5	.1							7.0	6.4
NNE	.9	2.2	2.0	.5								5.0	6.5
NE	.7	2.7	2.3	.7	.0							6.8	6.8
ENE	.6	2.4	1.5	.4								4.9	6.3
E	.7	1.6	.9	.0								3.2	5.4
ESE	.7	.8	.3	.0								1.8	4.7
SE	.4	.9	.1	.0	.0							1.4	4.9
SSE	.7	1.8	.8	.2								3.8	5.7
S	1.1	2.8	4.1	2.1	.2							10.1	8.7
SSW	.3	1.6	2.2	1.6	.2							6.0	8.9
SW	.3	1.3	2.3	1.2	.2	.1						5.3	8.9
WSW	.3	1.3	2.2	2.5	.5	.1	.0					7.2	10.3
W	.6	1.9	3.3	3.2	.5	.1						9.3	9.7
WNW	.6	.9	1.4	1.0	.2	.0						4.2	8.7
NW	.6	.9	1.3	1.1	.3							4.1	9.0
NNW	.6	1.7	1.7	.6	.2							4.8	7.5
VARBL	1.1	.3										1.4	2.3
CALM												12.1	
	11.4	26.6	29.2	15.6	2.4	.4	.2					100.7	6.8

TOTAL NUMBER OF OBSERVATIONS 4552

USAFETAC FORM 3-5 OF 1 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 BTAC/USAF
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

34062
 STATION

SAWALFE PERDUEVILLE AFB
 STATION NAME

6070
 CLASS

ALL WEATHER
 CLASS

CONDITION

SPEED (KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	1.1	2.2	3.6	1.7	1.1	1.2					1.2	7.6
NNE	1.2	2.1	2.0	1.7	1.0						1.4	7.8
NE	1.3	1.9	2.0	1.6	1.0						1.5	7.1
ENE	1.0	1.7	1.6	1.7	1.0						1.6	7.6
E	1.4	1.5	1.6	1.3							1.5	6.3
ESE	1.0	1.5	1.2	1.0							1.3	4.3
SE	1.4	1.1	1.2	1.1							1.0	5.1
SSE	1.7	2.3	1.1	1.1							1.3	5.4
S	1.1	4.3	4.6	1.4	1.1	1.2					1.8	7.3
SSW	1.3	1.9	2.2	1.3	1.2						1.9	5.3
SW	1.3	1.7	2.2	1.7	1.2	1.0					1.3	5.6
WSW	1.3	1.8	2.9	2.1	1.2						1.9	9.1
W	1.1	2.7	3.2	2.2	1.2	1.0					1.5	5.2
WNW	1.4	1.2	1.2	1.0	1.1						1.3	7.6
NW	1.3	1.2	1.7	1.2	1.1						1.5	5.6
NNW	1.7	1.2	2.2	1.2	1.1						1.7	8.0
VARBL	1.2	1.0									1.6	3.0
CALM											0.5	
	11.1	30.1	31.3	16.6	1.3	1.1					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

4495

DATA PROCESSING INSTRUCTIONS
 ETAC/USAF
 AIR WEATHER SERVICE/NAO

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34068 SALZGEBER GERMANY/GLEBA AAF 60-70

YEARS

DAY MONTH

ALL WEATHER
 CLASS

ALL
 HOURS 0000-2359

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	3.4	4.0	.0								9.4	6.0
NNE	.7	1.7	1.6	.5								4.4	5.7
NE	.0	1.5	1.1	.4	.1							3.8	6.4
ENE	.0	1.2	1.0	.2								2.9	6.2
E	.0	1.1	.8	.2								3.1	5.6
ESE	.0	.8	.4	.1								2.1	4.9
SE	.4	1.3	.4	.1								2.0	4.9
SSE	1.0	2.2	1.0	.1								4.3	5.3
S	1.2	3.8	4.3	1.4	.0							10.7	7.1
SSW	.5	1.7	2.4	1.0	.0							5.7	7.9
SW	.5	2.1	2.4	1.1	.1							6.2	7.4
WSW	.7	2.1	2.9	1.7	.3							7.9	8.3
W	1.1	2.8	3.7	2.3	.3	.0						10.1	8.2
WNW	.7	1.5	1.4	.5	.1							4.3	6.9
NW	.7	1.4	1.5	.8	.0							4.3	7.2
NNW	.0	2.2	1.7	.5	.1							5.6	7.0
VARBL	1.0	.9										2.7	3.0
CALM												10.1	
	14.7	31.7	30.6	11.0	1.1	.0						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

4508

DATA PROCESSING DIVISION
STAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34068
STATION

SA GULFEN GERMANY/GULFMAN AAF
STATION NAME

55-70
YEARS

MONTH

ALL WEATHER
CLASS

ALL
HOURS U.S.T.

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.9	3.8	.9	.0							12.1	6.7
NNE	.9	1.9	2.0	.6	.0							5.5	6.8
NE	.6	1.9	1.6	.7								4.7	7.0
ENE	.6	1.3	1.9	.4								4.4	6.7
E	.6	1.2	.8	.3								2.8	6.0
ESE	.4	.4	.4									1.1	5.2
SE	.6	1.0	.4	.2	.0							2.0	5.2
SSE	.8	2.0	1.0	.2								4.0	5.7
S	1.0	2.0	2.0	.8	.1							8.0	7.0
SSW	.5	1.7	2.0	.5	.1							4.8	7.3
SW	.4	1.7	1.8	.5	.1							4.6	7.3
WSW	.6	2.6	2.6	1.3	.1	.0						8.3	7.9
W	1.0	2.8	4.1	1.9	.3				.0			10.2	8.4
WNW	.7	1.8	1.7	.5		.0						4.7	6.7
NW	.8	1.9	1.6	.2								4.5	6.1
NNW	.8	2.8	2.2	.4	.0							6.2	6.5
VARBL	2.2	1.0										4.2	2.7
CALM												9.8	
	15.0	33.3	31.7	9.2	.9	.1			.0			100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

4316

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34062 SAARDAMEN GERMANY/GULF AIR AAF 60-70 YEARS MONTH JUL
CLASS ALL MONTH ALL
CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.1	4.2	2.2	1.4								5.1	5.7
NNE	1.9	1.9	1.2	1.2								4.1	5.2
NE	1.0	1.4	1.7	1.1								2.9	5.5
ENE	1.0	1.7	1.5	1.1								1.9	5.3
E	1.4	1.7	1.3	1.0								1.3	5.2
ESE	1.5	1.3	1.3	1.0								1.3	5.0
SE	1.4	1.0	1.5	1.0								1.9	5.3
SSE	1.1	2.1	1.9	1.0								4.1	5.3
S	1.9	3.4	3.9	1.0	1.0							9.0	7.1
SSW	1.4	2.0	2.2	1.9	1.1							5.5	7.8
SW	1.7	2.0	2.3	1.3	1.1							7.2	7.8
WSW	1.7	2.4	4.3	2.4	1.5	1.0						10.3	9.1
W	1.0	3.5	4.3	2.3	1.3	1.1						11.7	8.3
WNW	1.0	1.3	1.2	1.4		1.0						3.1	6.4
NW	1.9	1.0	1.2	1.2	1.0							4.0	6.1
NNW	1.1	2.2	1.0	1.2								5.4	5.9
VARBL	3.9	1.0	1.0									5.0	2.8
CALM												11.2	
	10.0	33.1	28.2	9.4	1.1	1.2						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 4401

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

3406R
STATION

SA BODEN GERMANY/COLEMAN AAF
STATION NAME

59-70
YEARS

ALL
MONTH

ALL WEATHER
CLASS

ALL
HOURS - L & T

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.6	2.1	.3	.0							6.8	5.6
NNE	1.4	1.7	.9	.2								4.1	5.1
NE	.6	1.4	1.0	.2								3.2	6.1
ENE	.8	1.1	.7	.1								2.7	5.4
E	.9	.9	.5	.1	.0							2.4	5.4
ESE	.4	.8	.3									1.4	4.6
SE	.5	.9	.3	.0								1.8	4.6
SSE	.7	2.2	1.0	.1								4.1	5.3
S	1.3	4.6	3.2	.9	.0							11.9	6.9
SSW	.7	2.2	2.5	.7	.0							6.2	7.2
SW	.6	2.4	3.6	1.1	.2							7.9	7.9
WSW	.7	2.8	4.3	2.2	.4	.0						10.5	8.6
W	1.0	3.1	3.5	2.0	.1	.0						9.7	7.9
WNW	.6	1.0	.8	.2								2.5	6.2
NW	.5	1.2	.8	.2								2.8	6.1
NNW	.9	1.5	1.1	.2								3.7	5.7
VARBL	2.6	.7										4.3	2.3
CALM												13.8	
	17.1	21.2	28.5	8.5	.8	.0						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

4926

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36008
STATION

SA LUFEREN GERMANY/CULEMAN AAF
STATION NAME

59-70
YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
HOURS 11-5 T

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	3.2	1.8	.2								7.8	5.3
NNE	1.1	1.7	1.4	.0								4.2	3.4
NE	1.1	1.6	1.6	.3	.0							4.5	3.9
ENE	1.1	1.5	1.1	.4	.1							4.1	3.1
E	.7	.8	.4	.2								2.1	3.7
ESE	.7	1.0	.3	.0								2.0	4.7
SE	.8	1.0	.4									2.2	4.6
SSE	1.1	2.0	1.1	.1								4.8	5.3
S	1.3	3.0	4.4	1.3	.1	.0						12.3	7.0
SSW	.5	1.9	2.5	.9	.0							5.8	7.6
SW	.4	1.7	2.3	.9	.2							5.4	8.1
WSW	.8	2.0	3.0	1.9	.2							7.9	8.4
W	.7	1.7	2.6	1.7	.1							6.8	8.3
WNW	.6	.6	.6	.4	.1							2.3	7.0
NW	.6	.6	.4	.1								1.8	5.2
NNW	.7	1.5	.7	.0								2.9	5.3
VARBL	2.2	.7										3.3	2.5
CALM												19.7	
	17.2	29.2	24.6	8.5	.8	.0						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

4840

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 3406R SANDHOEFEN GERMANY/COLEMAN AAF STATION NAME 59-70 YEARS LCT NORTH
ALL WEATHER CLASS ALL HOURS (L & T) CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	4.1	2.1	.4	.0							8.5	5.5
NNE	1.4	1.9	1.3	.4								4.9	5.6
NE	.6	1.7	1.5	.1								4.1	5.9
ENE	1.6	1.6	.8	.1								4.4	4.8
E	.7	.8	.4	.1								2.1	3.1
ESE	.7	.7	.2									1.6	4.1
SE	.6	.9	.3									1.8	4.7
SSE	.9	3.1	1.5	.3								5.7	5.8
S	1.7	4.6	5.2	2.4	.1							14.1	7.5
SSW	.4	2.1	2.9	.9	.1							6.4	7.7
SW	.4	1.5	2.3	1.3	.1	.0						5.7	8.5
WSW	.5	1.6	2.0	1.1	.1	.1	.0					5.7	8.1
W	1.1	1.9	1.9	.9	.1							5.9	7.0
WNW	.6	1.0	.9	.4								3.0	6.3
NW	.6	.6	.6	.2								2.3	5.8
NNW	.6	1.6	.5	.2								3.1	5.4
VARBL	2.7	.2										3.0	1.6
CALM												17.9	
	17.0	30.6	24.6	8.8	.6	.1	.0					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 4749

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34068 SAIGON, GERMANY/COLEMAN AAF 59-70 YEARS NTV
STATION NAME ALL WEATHER CLASS ALL MONTH ALL
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	3.5	2.1	.5								8.2	5.6
NNE	1.4	2.3	1.5	.2								5.2	5.7
NE	.9	1.8	.7	.0								3.4	5.1
ENE	1.1	1.4	.8	.1								2.2	4.5
E	1.1	.7	.3	.1								1.5	4.0
ESE	.7	.6	.2									1.0	4.7
SE	.7	.8	.3	.0								1.7	6.7
SSE	.7	2.2	2.1	.6								7.8	6.6
S	1.0	4.0	8.4	2.2	.4	.0						17.6	8.3
SSW	.5	1.7	2.5	2.7	.4	.0						7.0	8.9
SW	.4	1.2	2.2	2.0	.3	.1						6.2	9.6
WSW	.5	1.7	2.5	2.0	.2	.0						7.0	8.9
W	.9	1.2	1.8	1.2	.1	.1						5.2	8.0
WNW	.3	.6	.7	.3	.0	.0						1.9	7.0
NW	.6	.6	.3	.1								1.5	4.9
NNW	.7	1.2	.5	.1								2.5	4.9
VARBL	1.0	.3										1.9	2.3
CALM												10.8	
	15.2	20.6	26.6	13.0	1.4	.2						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 4534

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/1AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34068 STATION SANDHOFEN GERMANY/COLEMAN AAF 59-70 YEARS DEC MONTH

ALL WEATHER CLASS

ALL HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	3.9	1.7	.4	.0							7.8	5.5
NNE	1.1	2.4	1.3	.3								5.4	5.8
NE	1.0	2.6	1.4	.4								5.4	5.9
ENE	1.1	2.0	.7	.2								4.0	5.2
E	1.4	1.3	.2	.0								2.9	4.0
ESE	.7	1.2	.2									2.1	4.3
SE	.8	1.3	.2									2.3	4.2
SSE	.9	2.8	1.4	.2								5.2	5.8
S	.9	4.6	7.0	2.9	.4	.1						19.9	8.3
SSW	.2	1.8	2.9	2.0	.3	.0						7.4	9.4
SW	.2	1.2	2.2	1.5	.3	.1						5.7	9.9
WSW	.6	1.3	2.7	1.9	.3	.2	.0					6.9	10.0
W	.6	1.3	2.3	1.3	.1	.0						5.7	8.2
WNW	.4	.4	.4	.0	.0							1.3	5.8
NW	.4	.3	.3	.1	.0							1.3	5.9
NNW	.8	1.5	.3	.1								2.8	5.0
VARBL	1.3	.2										1.4	2.0
CALM												16.3	
	14.2	30.3	25.3	11.3	2.0	.4	.0					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 4345

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34060 SALZBURG GERMANY/COLEMAN AAF 54

YEARS

JAN
MONTH

0000-0200
HOURS LST

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE	100.0											100.0	2.0
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												0.0	
	100.0											100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

1

DATA PROCESS: DIVISION
 ETAC/USAF
 AIR EAT-ER SERVICE/ETAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

34068 SA 07 APR 62 0100Z AAF 62-05

ALL WEATHER

1300-0300

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	3.5	4.4	1.1								12.1	7.0
NNE	2.2	4.4	4.4									11.0	5.8
NE		4.4	1.1									5.8	5.4
ENE	2.2	2.2	1.1									4.9	4.8
E													
ESE													
SE		1.1	1.1									2.2	6.0
SSE		2.2	4.4									9.9	6.3
S	1.1	4.4	9.9	3.5								20.8	8.4
SSW	1.1	1.1	7.7	1.1								11.0	7.6
SW													
WSW		3.3	1.1									4.4	3.5
W													
WNW		1.1										1.1	3.0
NW													
NNW		1.1										1.1	3.0
VARBL													
CALM												19.4	
	7.7	34.1	33.2	7.7								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 91

DATA PROCESSING DIVISION
STAC/USA
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
FROM HOURLY OBSERVATIONS

SURFACE WINDS

14000
STATION

SMITHS DEPT V/CLEA A ONE

60-70

ALL WEATHER

60-70
100-000

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-54	55-63	64-73	74-83	84-93	94-100	MEAN KNTS
N	1.0	2.5	2.0	.7										1.9	6.1	
NNE	1.0	1.5	2.3	.1										4.0	6.2	
NE	.9	3.4	1.3	.1										3.6	5.4	
ENE	1.1	1.7	.6											2.4	4.4	
E	1.7	.2	.2											2.4	3.5	
ESE	.9	.6												1.4	3.2	
SE	1.2	.9	.6											3.7	4.4	
SSE	2.1	4.0	1.7	.3	.1									3.0	5.8	
S	2.1	3.2	7.2	3.1	.2	.1								17.8	7.7	
SSW	.3	1.4	1.7	1.1	.2	.1								4.9	9.1	
SW	.6	.9	1.3	.9	.2									3.3	7.2	
WSW	.3	1.1	1.1	1.4										4.1	8.6	
W	.7	.9	1.6	.6										4.5	7.4	
WNW	.2	.2		.2	.1									.6	5.4	
NW	.6	.8	.1											1.8	4.3	
NNW	.3	.9	.2	.1										1.7	5.9	
VARBL	.9	.1												.9	2.1	
CALM														23.0		
	10.4	27.9	22.4	8.3	.7	.2								100.0	2.5	

TOTAL NUMBER OF OBSERVATIONS

879

STATION NAME: SMITHS DEPT V/CLEA A ONE

1

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
FROM HOURLY OBSERVATIONS.

10

29-0-115-

TOTAL NUMBER OF OBSERVATIONS

914

DATA PROCESSING SYSTEM
ETAC/USAF
AIR WEATHER SERVICE/ETAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
FROM HOURLY OBSERVATIONS

140000 04 JUL 70 PERMANENTLY/COLE A HAF

01-70

ALL WEATHER

1200-1400

DIRECTION KNOTS 1-2	3	4-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	≥56	MEAN WIND SPEED
N	2.4	3.2	5.3	1.1									11.9	5.1
NNE	1.6	1.7	1.7	1.4									4.3	7.1
N-E	1.0	2.1	1.9	1.7									6.2	5.3
ENE	1.0	1.7	1.1										3.3	5.4
E	1.1	1.0	1.1										2.1	3.9
ESE	1.7	1.4	1.1										1.2	3.8
SE	1.0	1.0	1.0										1.9	5.1
SSE	1.1	2.0	2.1	1.1									5.8	5.7
S	1.0	5.0	6.9	2.7	1.4	1.1							1.4	8.2
SSW	1.1	1.0	2.1	2.1	1.4								6.4	9.9
SW	1.3	1.9	1.5	1.1	1.3	1.1							4.2	9.8
WSW	1.0	1.2	1.5	1.1	1.4	1.1	1.1						5.4	9.6
W	1.9	1.7	2.2	1.5	1.4	1.1	1.2						4.9	9.1
WNW	1.7	1.1	1.0	1.2	1.1								1.9	7.5
NW	1.7	1.0	1.1	1.3									1.9	5.9
NNW	1.1	2.1	1.1	1.1									4.5	5.4
VARBL	1.1	1.1											1.2	1.8
CALM													15.1	
	14.2	27.3	29.0	11.5	1.9	.4	.3						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

390

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34263 SANDERF GERMANY/COLEMAN AFB 65-71 YEARS 1965-1971
STATION NAME CLASS
ALL WEATHER
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	4.7	3.3	1.1								11.3	5.4
NNE	1.2	1.5	1.5	.2								4.5	6.1
NE	.9	2.2	2.4	.4								5.9	6.2
ENE	1.1	2.6	1.3									4.9	5.2
E	.9	1.3	.4									2.4	4.2
ESE	.4	.5	.2									1.1	4.2
SE	.4	.9	.1									1.4	4.2
SSE	.9	2.6	1.2	.1								4.4	5.5
S	1.9	4.2	5.6	2.8	.4		.1					15.2	8.0
SSW	.2	1.8	3.2	1.6	.2	.1						7.2	9.0
SW	.1	.9	1.9	2.0	.1	.1						5.2	10.5
WSW	.4	.5	2.1	.8	.5							6.6	9.1
W	1.1	1.5	2.2	1.3	.2							6.3	7.7
WNW	.6	1.1	.9									2.1	5.1
NW	1.1	.8	.1	.1								2.1	4.4
NNW	1.1	1.6	.8	.2								3.8	5.4
VARBL	1.2											1.2	1.9
CALM												16.1	
	15.3	29.1	27.0	10.7	1.4	.2	.1					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 851

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24008
STATION

SA LIEFEN GERMANY/COLEMAN AFB
STATION NAME

11-70
YEARS

WAB
UNIT

ALL HEATER
CLASS

1800-2000
HOURS

CONDITION

SPEED (KNTS): DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.9	1.3	.3								7.2	4.7
NNE	1.6	1.3	.8									2.7	4.0
NE	2.1	2.9	.8									5.7	4.6
ENE	1.6	2.9	1.0	.3								5.7	4.9
E	1.3	.6	.3									2.2	3.4
ESE	.3	1.3	.2									1.7	4.8
SE	.3	.6	.3	.2								1.4	5.5
SSE	1.6	3.3	.8									5.7	4.6
S	1.3	5.9	5.7	2.4	.2							15.4	7.5
SSW	.8	2.1	4.2	1.4								8.5	7.8
SW	.5	.6	2.9	1.8								4.9	8.3
WSW	.3	1.9	3.3	.6								6.2	7.5
W	.8	1.7	1.3	.3								4.1	6.1
WNW	.8	.6	.3	.2								1.9	5.5
NW	.8	.2	.2									1.2	4.3
NNW	.8	.3	.6									1.7	4.8
VARBL	1.9	.2										1.7	2.2
CALM												20.6	
	19.2	29.2	23.8	6.7	.2							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

630

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34068 STATION NAME SAALHOFEN GERMANY/COLEMAN AAF YEARS 61 MONTH 10
CLASS ALL WEATHER HOURS (LST) 2100-2300
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		5.3	5.3									10.6	6.5
NNE			5.3									5.3	3.5
NE	5.3	5.3										10.6	3.5
ENE													
E		5.3	5.3									10.6	6.0
ESE		5.3										5.3	4.0
SE													
SSE	5.3	10.6										15.9	4.7
S			21.1									21.1	9.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												21.1	
	10.6	21.1	36.8									100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 19

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34008 SA LOUFER GERMANY/COLEMAN AAF STATION NAME 62-65 YEARS FF6 MONTH 0370-0500
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	4.9	2.4	2.4								13.4	6.4
NNE	1.2	7.3		1.2								9.4	3.4
NE		4.9	2.4									7.3	5.7
ENE	1.2	4.9										6.1	4.4
E													
ESE													
SE		2.4	1.2									3.7	3.7
SSE		2.4	1.2									3.7	3.7
S	2.4	2.7	1.2	2.4								9.4	6.9
SSW				1.2								1.2	12.1
SW		3.7	1.2	1.2								6.1	7.4
WSW		1.2	1.2									2.4	4.4
W												6.1	6.1
WNW		3.7	2.4									3.7	9.3
NW		1.2	1.2	1.2								2.4	4.4
NNW			2.4									2.4	4.4
VARBL												24.4	
CALM													
	9.3	40.2	17.1	9.4								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 82

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34060 SAARBRÜCKEN GERMANY/OWLE AFB 60-70

STATION

STATION NAME

YEARS

FEB

MONTH

ALL WEATHER
CLASS

0600-0900
HOURS U.S.T.

CONDITION

SPEED KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.5	3.2	.9								9.1	6.2
NNE	2.1	2.1	1.1									5.4	4.9
NE	1.1	3.2	.9	.6								5.5	5.2
ENE	.5	1.6	.9									2.7	5.2
E	.9	.4	.1									1.4	3.6
ESE	.5	.4										.9	3.4
SE	.2	2.5	.5									3.7	5.7
SSE	2.5	4.5	2.9	.2								9.6	5.5
S	.6	3.4	6.1	1.9								12.0	7.9
SSW	.2	.6	1.9	1.9	.2							4.7	9.3
SW	.2	1.2	1.2	1.9	.1							3.9	8.5
WSW	.2	1.7	2.4	2.1	.2							6.7	9.3
W	.5	1.2	1.2	1.2	.4	.2	.2					4.6	10.9
WNW	.4	.9	.5	.1	.2							1.7	8.7
NW	.4	.1	.1	.9								1.2	8.4
NNW	.7	.6	.2	.1								1.7	4.8
VARBL	.2	.1										.4	3.3
CALM												26.1	
	12.9	27.2	22.4	9.2	1.2	.2	.2					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

801

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/14C

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34068
STATION

SA DUFEN GERMANY/COLEMAN AAF
STATION NAME

60-70
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1900-1100
HOURS (LST)

CONDITION

SPEED KNTS/ DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.3	3.3	.5								10.4	5.8
NNE	.9	2.3	1.9	.2		.1						6.1	6.7
NE	.0	1.9	1.9	.4	.1							4.9	6.5
ENE	.0	1.5	1.2	.4								3.9	5.8
E	.0	.5	.1									1.5	3.8
ESE	.1	.5										.6	4.6
SE	.2	.5										1.3	4.7
SSE	.4	2.6	2.2	.7								3.6	6.8
S	1.1	3.5	0.2	2.2	.4							13.6	7.9
SSW	.4	1.6	1.8	1.4	.4	.1						3.6	9.2
SW	.2	.9	1.6	1.1	.5	.1						4.5	10.1
WSW	.4	1.4	2.5	1.5	.2							6.7	9.6
W	.5	1.5	1.6	2.3	.5	.2	.1					7.3	10.4
WNW	.0	.5	.5	.5	.1							2.5	7.4
NW	.0	1.5	.2	.2								2.6	5.6
NNW	.5	1.6	.6	.2								3.3	5.4
VARBL	.4											.4	2.3
CALM												17.7	
	10.7	30.4	25.7	12.8	2.1	.6	.1					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

893

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34058
STATION

SA DOLPEL GERMANY/OWLEA AAF
STATION NAME

62-70
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	5.3	5.2	1.3								12.4	5.8
NNE	.4	1.6	1.8	.7								4.4	7.8
NE	1.2	1.1	1.7	.6	.4							4.7	9.2
ENE	.2	.7	1.7	.5								3.1	8.0
E	.6	1.3	.4	.2								2.2	5.6
ESE	.4	.2	.2									.8	4.9
SE	.4	.4	.2									1.0	4.9
SSE	.2	1.8	1.7	.5	.1							4.3	7.4
S	.8	3.4	6.5	4.0	.1							14.8	8.6
SSW	.1	1.1	1.9	.8								4.0	8.6
SW	.2	.8	1.2	1.2	.5		.2					4.2	11.1
WSW	.5	2.3	1.9	2.5	.8	.1	.1					8.3	10.3
W	1.1	1.3	2.2	2.6	1.0	.4						8.4	10.6
WNW	.6	.8	1.1	.7	.2							3.9	8.4
NW	1.1	1.4	.7	.8	.1							4.1	7.4
NNW	.8	2.5	2.2	.6	.1							6.4	6.8
VARBL	.7	.1										.8	2.3
CALM												12.9	
	9.7	25.8	30.6	17.2	3.4	.5	.4					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

833

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34065 NAME SAND DEER GERMANY/COLEMAN AAF CLASS ALL WEATHER YEARS 60-70 MONTH FEB 1960-1960 HOURS 12-17

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	4.3	3.6	1.1								10.1	6.8
NNE	1.4	1.4	2.3	1.0	1.1							4.9	7.9
NE	1.5	2.0	2.9	1.4								5.8	6.9
ENE	1.6	1.0	2.9	1.0								4.3	7.8
E	1.1	1.9	1.5									1.5	6.1
ESE	1.0	1.0										1.4	3.9
SE	1.4	1.4	1.5	1.3								1.5	6.4
SSE	1.0	1.3	1.4	1.1								3.3	6.3
S	1.0	3.0	4.1	2.6	1.1							10.6	8.6
SSW	1.5	1.0	2.4	1.4	1.5							5.4	9.4
SW	1.0	1.0	2.0	1.1	1.1							4.3	9.4
WSW	1.0	1.3	3.1	1.6	1.5	1.1						7.4	9.3
W	1.0	1.3	2.9	3.5	1.0	1.1						9.7	10.2
WNW	1.0	1.9	1.3	1.0	1.5							5.0	7.9
NW	1.5	1.3	1.3	1.3								4.0	7.9
NNW	1.9	2.3	2.1	1.4								5.9	6.4
VARBL	1.1	1.3										1.6	4.4
CALM												12.2	
	9.8	26.1	33.3	15.7	2.6	.3						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 796

DATA PROCESSING DIVISION
 STAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

34068
 STATION

SA 210000 GERMANY/COLEMAN AAF
 STATION NAME

62-64
 YEARS

AR
 MONTH

ALL WEATHER
 CLASS

0300-0500
 HOURS U.T.

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.4	4.1	5.4									14.9	5.2
NNE	2.7	5.4	4.1									12.2	5.6
NE	2.7	1.4	4.1									8.1	5.7
ENE	4.1	1.4										5.4	3.3
E	1.4											1.4	3.0
ESE		1.4										1.4	3.0
SE	1.4	8.1										9.5	4.5
SSE			5.4									5.4	3.0
S	1.4	4.1	4.1									9.5	6.6
SSW	1.4	1.4	1.4									4.1	6.0
SW			1.4									1.4	9.0
WSW		4.1		1.4								5.4	7.5
W		2.7										2.7	4.5
WNW													
NW			1.4									1.4	3.0
NNW		1.4										1.4	6.0
VARBL													
CALM												16.2	
	20.3	35.1	27.0	1.4								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

74

DATA PROCESSING DIVISION
STAC/USAF
AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34068 SAIGON GERMAN VICTORY AIR 60-70 YEARS MONTH 09-09-01
CLASS ALL WEATHER
CONDITION

SPEED KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.6	2.7	.1								9.7	5.4
NNE	1.7	3.8	1.3									4.7	5.1
NE	1.7	3.7	1.4	.3								6.4	5.6
ENE	1.7	1.9	.9	.1								3.6	5.4
E	1.5	1.9	.5									3.9	4.2
ESE	.2	.4	.1									.9	3.9
SE	.2	.7	.1		.1							1.2	5.9
SSE	1.4	3.7	.9	.5								6.5	5.6
S	1.5	2.8	2.9	2.3	.1							10.6	7.7
SSW	.2	2.2	2.8	1.4	.1							6.7	8.2
SW	.2	1.1	1.4	.7	.2							3.7	8.6
WSW	.5	1.7	2.4	2.2	.3							7.2	9.2
W	.7	1.3	2.0	1.4	.3							5.7	9.7
WNW	.2	.3	.3	.1								1.1	6.7
NW	.2	.7	.3	.5	.1							1.9	8.2
NNW	.2	1.7	1.1	.2								3.2	6.5
VARBL	.4											.4	1.5
CALM												21.9	
	13.4	31.0	22.0	10.0	1.0							100.7	5.3

TOTAL NUMBER OF OBSERVATIONS 947

DATA PROCESSING DIVISION
ETAG/USAF
AIR WEATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24068
STATION

SANDERF GERMANY/COLE AL AAF
STATION NAME

60-70
YEARS

AR
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS

CONDITION

SPEED KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.7	3.2	.2								9.7	6.0
NNE	1.1	2.3	1.8	.9								6.1	6.2
NE	.6	3.1	2.3	.6								6.6	6.8
ENE	.7	1.7	1.6	.4								4.9	6.6
E	.3	1.7	1.2	.2								3.4	6.4
ESE	.2	.2	.5									.9	6.9
SE	.4	.6	.1	.1								1.2	5.6
SSE	.5	1.6	1.2	.1								3.4	5.9
S	1.2	3.4	2.5	2.4	.3							12.8	8.1
SSW	.2	1.6	2.1	1.5	.1							5.2	9.5
SW	.4	1.9	2.8	.5								5.9	7.5
WSW	.2	1.7	2.2	2.2	.4		.1					6.7	10.1
W	.4	1.7	3.3	2.1	.2	.2						7.9	9.5
WNW	.7	1.2	.9	.5	.2							3.9	7.7
NW	.6	1.5	.7	1.2								3.4	8.1
NNW	1.1	1.1	1.2	.4								3.9	6.2
VARBL	.0	.2										1.1	2.3
CALM												13.0	
	11.3	29.1	30.6	14.4	1.2	.2	.1					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

966

1
 DATA PROCESSING 1 101
 ETAC/USAF
 AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34066
 STATION

SA 02 FEB 1968 V/CULE AT 44F
 STATION NAME

63-70

YEARS

AR
 MONTH

ALL WEATHER
 CASE

1200-1400
 TIME OF DAY

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	11	MEAN WIND SPEED
N	10	3.1	2.1	1.0								4.1	7.1
NNE	10	2.2	2.0	1.2								5.0	6.1
NE	14	1.9	2.4	1.2	1.1							6.0	7.3
ENE	11	2.4	1.7	1.0								5.2	6.3
E	11	1.0	1.0									1.9	5.0
ESE	17	1.2	1.3	1.1								2.4	5.0
SE	13	1.2	1.1									1.9	5.0
SSE	13	1.2	1.7	1.2								2.3	4.6
S	11	3.1	4.4	2.5	1.1							11.1	8.3
SSW	14	1.7	2.5	1.9	1.0							7.2	9.0
SW	10	1.1	1.6	1.4	1.2	1.2						5.1	9.0
WSW	11	1.1	2.1	2.0	1.4	1.2						6.6	11.2
W	15	1.8	3.8	3.3	1.5	1.1						12.1	10.6
WNW	17	1.8	1.2	1.9	1.2	1.1						4.3	9.1
NW	16	1.7	2.5	1.5	1.2							5.1	9.1
NNW	13	1.9	2.2	1.4	1.2							6.4	8.8
VARBL	2.0	1.5										3.3	2.9
CALM												6.0	
	10.0	20.5	30.9	21.0	2.0	1.8						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

944

1

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
FROM HOURLY OBSERVATIONS

34069

SA [redacted] DEPT. OF JUSTICE

42-77

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ALB. REATHER

157-1707

662 663 664 665 666

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	MEAN WIND SPEED
N	4	2.7	2.6	1.1	2							7.1
NNE		1.9	2.1	1.1								4.7
NE	7	2.4	3.8	1.1								7.2
ENE	4	2.9	3.5	1.3								7.1
E	1	2.2	1.2									6.3
ESE	7	1.4	1.4									2.1
SE	1	1.5	1.2	1.1								1.1
SSE	4	1.2	1.5	1.1								2.1
S	9	1.1	3.8	1.2	1.3							3.1
SSW	4	1.3	2.1	1.9	1.3							6.1
SW	2	1.2	2.3	1.9	1.1	1.1						5.7
WSW	2	1.5	1.4	3.1	1.9	1.3	1.1					7.7
W	1.1	2.3	3.4	4.7	1.1							12.1
WNW	3	1.2	2.6	1.9	1.7	1.1						6.9
NW	4	1.1	1.4	2.1	1.4							5.4
NNW	1	1.9	2.7	1.7	1.1							5.3
VARBL	1.9	1.7										1.3
CALM												6.1
	7.1	27.7	33.3	20.9	4.4	1.5	1.1					100.7

TOTAL NUMBER OF OBSERVATIONS

912

1. DATE _____

DATA PROCESSING DIVISION
STAC/CRF
AIR WEATHER SERVICE/140

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34002
STATION

SHAWNEE, OKLAHOMA/CLEAF
STATION NAME

61-70

140

ALL FEATURES
CLASS

1800-2000
PERIOD

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.3	2.9	1.2	1.1							4.1	4.7
NNE	1.7	1.9	2.3	1.0								4.1	7.5
NE	1.7	2.2	1.4	1.4	1.1							4.0	6.3
ENE	1.4	3.4	1.0									5.0	5.9
E	1.4	2.4	1.3									4.2	4.1
ESE	1.4	1.4	1.1									2.4	3.2
SE	1.4	1.4										1.4	3.1
SSE	1.4	1.4	1.1									2.4	3.1
S	1.0	3.1	2.3	1.7								6.3	6.3
SSW	1.0	1.3	1.7	1.3								4.9	8.1
SW		1.0	3.9	1.3	1.1							5.9	8.9
WSW	1.1	1.0	3.6	2.1	1.4							7.1	9.6
W	1.4	2.7	4.7	2.3	1.4	1.1						12.1	8.5
WNW	1.7	1.2	2.6	1.1	1.1							5.9	8.1
NW	1.1	1.7	1.9	1.4	1.0							5.2	8.9
NNW	1.1	2.4	1.1	1.4	1.4							5.3	6.9
VARBL	1.4											1.9	1.2
CALM												11.9	
	15.4	28.3	29.7	11.5	2.9	1.1						102.1	6.3

TOTAL NUMBER OF OBSERVATIONS

696

STATION NAME: SHAWNEE, OKLAHOMA/CLEAF

1

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14068 SAMUEL GERARD Y/COLEMAN AAP
STATION STATION NAME

51

TABLES

AR

2100-2300

ALL LEATHER
CASE

CONDITION

[illegible]

TOTAL NUMBER OF OBSERVATIONS

25

USAFETAC FORM 0-5 (OCT 7) PREPARED BY THE AIR FORCE ENGINEERING CENTER
JAN 64

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24068
STATION

SAFETY/GERMANY/COLEMAN AAF
STATION NAME

62-64
YEARS

APR
MONTH

ALL HEATHER
CLASS

0310-0500
HOURS U.S.T.

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.2	3.4									9.2	5.2
NNE	1.7	1.7	.8									4.2	4.1
NE	.6	1.7	1.7									4.2	3.2
ENE			.8									1.8	7.2
E	1.7	.6										2.5	3.3
ESE	1.7	1.7	.8									4.2	4.6
SE	.6	4.2	.8									5.9	3.2
SSE	.6	5.0	.8	.8								7.4	6.7
S		5.0	5.0	.8								10.9	6.5
SSW	1.7	.8	.8									3.4	4.2
SW		.8	3.4	.8								5.2	8.5
WSW		1.7	.8	.8								3.4	6.5
W	.6		1.7									2.5	7.0
WNW													
NW	.6	.8	5.0									6.7	7.1
NNW	.6	2.5	1.7									5.0	3.2
VARBL													
CALM												24.4	
	13.4	31.1	27.7	3.4								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

119

1

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/ETAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34005 STATION NAME SAND LEEF GERMANY/COLLIER AAF 40-70

YEARS

APR
 MONTH

ALL WEATHER
 CLASS

0600-0800
 HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	4.2	3.0	1.5								11.7	5.4
NNE	1.0	3.6	2.3	1.2								4.8	6.2
NE	2.2	2.8	1.3	1.1	1.1							5.6	5.1
ENE	1.0	1.2	1.3									1.6	4.1
E	1.4	1.1										1.8	2.2
ESE	1.0	1.1										1.9	2.6
SE	1.1	1.8	1.1	1.1								3.7	4.6
SSE	2.1	3.6	1.4									6.7	4.8
S	1.2	4.9	3.0	1.2								12.2	6.8
SSW	1.4	1.7	1.7	1.4	1.1							4.3	7.1
SW	1.3	2.1	2.2	1.9								5.4	7.5
WSW	1.3	1.6	3.4	1.1	1.2							6.6	8.4
W	1.1	2.5	1.2	1.7								5.2	5.9
WNW	1.2	1.4	1.5	1.1								1.3	6.3
NW	1.4	1.0	1.1	1.9	1.1							3.3	8.3
NNW	1.2	1.1	1.4	1.2								5.2	7.0
VARBL	1.9											1.9	2.0
CALM												19.7	
	16.4	31.1	24.7	8.3	5.5							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

923

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/ETAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34069 SAUNDERS GERMAN V/OLEMAN AAF 60-70

STATION

STATION NAME

YEARS

MPR
MONTH

ALL WEATHER
CLASS

1960-1970
HOURS OF DAY

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	5.0	5.6	1.5	.1							12.9	7.4
NNE	.9	1.7	1.8	1.1								5.1	7.3
NE	.9	1.7	2.2	1.3								5.5	7.9
ENE	.9	.8	1.5	1.0								3.8	8.2
E	.1	.7	.3	.2								1.4	6.3
ESE		.2	.2									.5	6.1
SE	.1	.2		.1								.4	5.8
SSE	.7	1.7	1.6									4.0	6.1
S	1.4	6.2	5.2	1.5								14.4	6.9
SSW	.1	1.2	1.7	1.9								5.2	9.1
SW	.4	1.8	2.2	1.8	.1							6.5	8.3
WSW	.4	2.0	2.2	1.5	.1							7.2	8.6
W	1.3	2.5	2.8	2.1	.1							8.8	7.8
WNW	1.1	1.7	.4	.5								3.6	5.9
NW	.3	.7	1.2	.5								3.2	8.0
NNW	1.1	1.5	2.6	1.2								6.2	7.6
VARBL	1.2	1.0										2.2	3.1
CALM												9.1	
	10.4	30.9	33.0	16.3	.4							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

945

DATA PROCESSING DIVISION
 STAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

34068
 STATION

SA DUMFRIES GERRARDY/CULLEEN AAF
 STATION NAME

60-70
 YEARS

1958
 MONTH

ALL WEATHER
 CLASS

1200-1400
 HOURS LOCAL TIME

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.7	4.4	2.7								1.7	4.4
NNE	.2	1.7	1.9	1.1								5.1	2.2
NE	.2	1.6	2.2	1.9								5.6	2.4
ENE		.8	1.9	1.9								4.2	2.5
E	.1	.9	1.0	.2								2.1	2.3
ESE		.3	.1	.1								.5	2.2
SE	.1	.8	.2	.1								1.2	2.3
SSE	.2	1.5	1.1	.1								3.2	2.6
S	.6	3.0	4.6	2.1	.2	.1						10.7	2.5
SSW	.3	2.3	2.4	1.9								6.9	2.4
SW	.5	2.4	1.8	2.5	.2							7.5	2.9
WSW	.3	1.6	2.6	3.2	.5							8.3	2.2
W	1.1	3.1	3.6	3.1	.9	.1						11.4	2.6
WNW	.1	1.3	1.7	1.1	.1							4.3	2.7
NW	.3	1.4	2.2	1.4								5.3	2.5
NNW	.3	1.3	2.5	1.7	.2							6.1	2.9
VARBL	1.1	1.2										2.3	3.3
CALM												4.0	
	6.9	27.8	34.3	24.4	1.0	.2						100.0	2.1

TOTAL NUMBER OF OBSERVATIONS

925

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34005 SA LUTHER GERMANY/GULLEMAN AAF 62-70

APR
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.0	2.8	2.4	.1	.1						8.7	8.4
NNE	.2	1.1	2.5	1.7	.2							8.7	9.2
NE	.3	1.9	2.1	.9								5.3	7.4
ENE	.3	1.0	2.1	.9	.1							4.5	8.6
E	.6	1.3	.9	.0								3.4	7.2
ESE	.4	.8	.3									1.6	4.7
SE	.3	.9	.2									1.6	4.9
SSE	.0	1.9	.7	.1								3.3	5.4
S	.3	3.1	3.6	1.2								8.3	5.0
SSW	.2	2.1	2.4	1.6	.6							6.8	9.3
SW	.4	1.2	2.5	2.4	.3	.2						7.1	10.0
WSW	.6	1.9	2.8	3.1	.2							8.6	9.5
W	1.0	2.2	4.4	3.5	.6							12.2	9.6
WNW	.0	1.1	2.4	1.2	.2							5.5	8.7
NW	.1	.9	2.0	1.5	.2							4.7	10.1
NNW	.4	1.5	2.2	1.5	.1							5.7	8.7
VARBL	1.1	.7										1.0	3.4
CALM												5.0	
	8.2	26.5	34.0	23.1	2.9	.3						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 892

DATA PROCESSING DIVISION
STAC/USAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34069 SA DUEFFER GERMANY/CELEMAN AAF STATION NAME 60-70 YEARS MONTH APR 1800-2000 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.0	1.9	1.4	.1							7.8	7.1
NNE	.3	1.0	1.7	.9								4.2	7.1
NE	.6	2.0	2.2	.4								5.8	6.7
ENE	1.7	2.3	2.2	.3								6.8	5.7
E	1.1	2.3	1.3	.1								4.8	5.6
ESE	1.7	1.2										2.9	3.4
SE	.4	1.0	.1	.1								2.3	4.9
SSE	.4	2.5	.1	.1								3.2	5.1
S	1.6	4.1	3.9	.7	.1							10.6	6.9
SSW	.4	2.0	3.3	.7	.1							6.7	7.6
SW	.7	1.0	1.9	.9	.1							4.6	7.8
WSW	.9	1.0	2.7	1.9	.1							7.2	8.4
W	1.3	3.6	4.8	1.7								11.4	7.3
WNW	.3	1.0	1.0	.3								3.2	6.7
NW	.3	2.5	1.4	1.6	.4							6.2	8.4
NNW	.3	2.0	2.3	.6	.3							5.5	8.1
VARBL	.7											1.7	2.0
CALM												6.7	
	13.7	35.5	31.0	11.7	1.4							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 691

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34068 SANDGEE GERMANY/COLEMAN AFB 60-64 YEARS
STATION NAME
CLASS ALL WEATHER
MONTH MAY
HOURS 00-0500
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	10.1	2.5									13.4	5.2
NNE	.0	2.5										3.4	4.3
NE		4.2										4.2	4.4
ENE													
E													
ESE	2.5	.8										3.4	3.5
SE		1.7										1.7	4.0
SSE		2.5	1.7									4.2	6.2
S	.0	2.5	.6									4.2	5.2
SSW	3.4	2.5	1.7									7.6	5.1
SW	.6	3.4	2.5	.6								7.6	6.7
WSW		4.2	2.5									6.7	6.5
W		1.7	2.5									4.2	6.4
WNW				.8								.8	12.0
NW		.8	.6									1.7	6.5
NNW		.0										.8	4.0
VARBL													
CALM												36.1	
	9.2	37.8	15.1	1.7								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 119

1

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1406E SA 1 LBER GERMANY/COLE A: AAF
STATION STATION NAME

40-70

PLANS

AY
MSTH

ALL EATER
CLASS

0000-0000

COND TION

[illegible]

TOTAL NUMBER OF OBSERVATIONS

234

DATA PROCESS: INISI
 ETAC/USAF
 AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

STATION 34258 SAIGON/BERNARDY/DALE AAF 42-70
 STATION NAME YEARS
 CLASS ALL WEATHER
 MONTH 09-11
 HOURS 08-17

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.7	4.9	.4								1.1	6.0
NNE	1.1	1.1	1.8	.4								4.6	6.6
NE	.9	1.4	.8	.2								3.2	5.6
ENE	.6	.9	.9									2.1	5.4
E	.4	.8	.9	.3								2.3	7.3
ESE	.5	.7		.1								1.6	4.6
SE	.3	1.4	.4									2.1	5.1
SSE	.6	1.8	.7	.1								3.2	5.3
S	1.1	4.7	4.8	1.6								12.1	7.2
SSW	.1	1.6	2.9	1.1								5.7	8.4
SW	.9	2.2	2.9	.5								6.9	6.9
WSW	.6	2.4	2.7	2.4	.6							8.7	8.9
W	.8	2.8	2.7	2.1	.3							8.6	8.1
WNW	.4	1.9	1.7	.5	.1							4.3	7.3
NW	1.1	2.3	1.1	1.2								5.7	6.9
NNW	.9	2.2	1.8	.8								5.7	6.8
VARBL	2.7	1.2										4.1	2.9
CALM												9.1	
	14.1	92.8	31.1	12.1	1.0							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 960

USAFETAC FROM OBS. DATA. WIND DIRECTION AND SPEED ARE OBSERVED.

DATA PROCESS: 11/19/10
 ETAC/USAF
 AIR WEATHER SERVICE/40

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

3400R SHELLE BEACH V/CLUB H AAF

62-70

YEARS

DAY
 MONTH

ALL WEATHER
 CLASS

1270-1400
 HOURS (GMT)

LOCATION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.5	4.2	1.3								9.3	4.2
NNE	1.3	1.7	1.7	1.7								3.3	4.5
NE	1.4	1.1	1.6	1.4	1.1							3.3	7.6
ENE	1.3	1.4	1.5	1.5								3.2	6.7
E	1.5	1.1	1.5	1.5								2.6	6.9
ESE	1.1	1.0	1.0	1.1								1.8	7.1
SE	1.4	1.0	1.5									1.7	5.8
SSE	1.5	1.0	1.1	1.3								3.7	6.4
S	1.7	3.4	4.6	1.9								10.6	7.8
SSW	1.9	1.0	2.3	1.0								6.1	8.2
SW	1.1	2.0	3.1	1.6	1.1							7.5	8.2
WSW	1.7	2.6	3.7	2.1	1.2							9.5	8.7
W	1.5	3.1	4.1	3.5	1.0	1.1						12.8	8.9
WNW	1.5	2.1	1.0	1.4								4.4	6.1
NW	1.5	1.0	2.3	1.2								5.1	8.1
NNW	1.7	2.6	2.1	1.0	1.2							6.7	7.4
VARBL	2.0	1.5										4.7	3.3
CALM												4.3	
	12.4	29.6	33.3	17.2	1.4	1.1						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

944

1

DATA PROCESSING DIVISION
 ETAG/USAF
 AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34264 SA LEEB GERMAN Y/CALIA AAF 12-70

AY
 MONTH
 1500-1700
 HOUR

ALL WEATHER
 CLASS

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.4	4.6	1.4								9.7	7.7
NNE	1.1	2.2	1.9	1.7								4.7	7.3
NE	1.0	1.2	1.3	1.7	1.2							4.1	7.5
ENE	1.0	1.1	1.2	1.3								3.7	7.5
E	1.0	1.3	1.4	1.2								3.0	6.2
ESE	1.0	1.2	1.7	1.1								2.4	5.3
SE	1.2	1.9	1.4	1.1								1.4	6.1
SSE	1.0	2.7	1.5	1.1								5.2	5.5
S	1.0	3.2	4.4	2.1								10.3	3.1
SSW	1.0	1.9	3.1	1.1	1.2							6.9	8.1
SW	1.0	1.4	1.5	1.1	1.2							4.5	8.1
WSW	1.7	1.5	2.9	2.5	1.3							7.5	9.9
W	1.6	2.7	4.8	2.9	1.4							11.3	9.2
WNW	1.7	2.1	2.7	1.0	1.2							6.5	7.7
NW	1.0	1.5	1.6	1.7	1.2							5.7	7.6
NNW	1.0	2.3	2.2	1.5	1.1							6.1	8.3
VARBL	1.4	1.4										2.0	3.5
CALM												4.4	
	11.2	29.6	36.1	16.7	2.0							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 911

1

DATA PREPARED BY: 151
 STAC/USAF
 AIR EAT 1000 1000 1000

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 FROM HOURLY OBSERVATIONS

SURFACE WINDS

340000 SA - LFE 000000/000000 AF

11-22

ALL WEATHER

1310-0500

SPEED KNOTS DIR	0	4-5	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	56	MEAN WIND SPEED
N	2.9	3.9										4.4
NNE	1.9	1.9	1.0									5.4
NE	1.9	3.9										4.4
ENE			1.0									5.4
E												5.4
ESE	1.9											2.4
SE	2.9	4.9	1.0	1.0								5.4
SSE	2.9	4.9										4.4
S	1.9	2.9	2.9									4.4
SSW												4.4
SW	1.9	3.9	2.9									5.4
WSW		1.9		1.0								5.4
W		1.9	1.0									5.4
WNW	1.9	1.9										3.4
NW			1.0	1.0								11.4
NNW	1.9	1.9	1.9									6.4
VARBL												
CALM											37.0	
	12.4	29.1	11.7	2.9							100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

103

DATA PROCESSING DIVISION
 BTAC/USAF
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

24068
 STATION

SANDERFORD GERMANY/COLEMAN AFB
 STATION NAME

60-70
 YEARS

ALL WEATHER
 CLASS

970-1100
 HOURS OF DAY

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	3.7	4.3	1.1	.1							10.4	7.1
NNE	.2	1.3	2.5	.6								5.1	7.4
NE	.4	1.5	1.7	.6								4.3	7.2
ENE	.4	1.4	1.5	.4								3.8	7.3
E	.2	1.1	.2	.3								1.9	6.2
ESE	.2	.5	.4									1.2	6.1
SE	.2	.4	.2									1.2	4.6
SSE	.2	1.3	.9	.2								3.3	5.6
S	1.2	4.5	3.5	1.5								10.4	7.1
SSW	.5	2.2	2.3	.3								5.3	6.9
SW	.2	2.2	1.6	.9								5.0	7.4
WSW	.5	2.0	2.9	1.1	.2	.1						7.9	7.9
W	1.4	3.0	3.0	1.4	.3							9.2	7.5
WNW	.2	2.3	1.3	.1								4.1	5.7
NW	.9	2.6	1.7									5.2	5.5
NNW	.9	2.5	2.0	.3								6.7	6.2
VARBL	5.4	1.2										6.6	2.5
CALM												8.0	
	16.6	35.8	29.8	9.1	.8	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

927

DATA PROCESS: DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34062 SA 01 FEB 1970/01 FEB 1970

62-70

YEARS

MONTH

ALL WEATHER
CLASS

1200-1400
HOURS, U.S.T.

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	N	MEAN WIND SPEED
N	1.9	3.3	2.7	1.3								7.5	6.9
NNE	1.4	1.1	2.7	1.2	1.1							5.5	5.3
NE	1.1	1.2	2.0	1.3								4.1	4.0
ENE	1.3	1.3	2.1	1.3								5.7	7.2
E	1.4	1.7	1.4	1.1								2.5	7.1
ESE	1.3	1.1	1.4									1.9	5.8
SE	1.3	1.7	1.3									1.3	5.3
SSE	1.4	2.2	1.3	1.1								4.1	5.7
S	1.4	2.5	2.9	1.9								7.2	7.1
SSW	1.1	2.7	2.4	1.1								6.4	7.5
SW	1.2	1.9	2.1	1.3								4.8	7.7
WSW	1.3	2.2	3.4	2.1	1.2							10.4	8.3
W	1.1	3.2	4.8	2.1	1.5							11.7	8.4
WNW	1.2	2.1	2.3	1.4								6.3	8.1
NW	1.3	2.3	1.3	1.3								4.9	6.9
NNW	1.8	2.2	2.0	1.3								3.6	6.4
VARBL	4.3	2.4										6.7	3.1
CALM												3.5	
	12.2	33.2	37.8	12.4	1.0							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

911

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24008 SAIGEREN GERMANY/CLE AF AF 62-70

YEARS

MONTHS

ALL WEATHER
CLASS

1200-1700
HOURS (EST)

CONDITION

SPEED KNTS/ DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	3.5	4.9	1.3								10.5	7.6
NNE	.1	1.3	1.5	.7	.1							3.7	8.2
NE	.2	1.1	1.6	1.3								4.2	6.6
ENE	.5	1.5	2.4	.7								5.2	7.5
E	.7	1.6	1.5	.7								4.5	6.8
ESE	.2	.6	.7									1.5	6.1
SE	.1	.9	.5	.1	.1							1.7	7.1
SSE	.2	1.9	.9	.1								3.2	6.2
S	.6	2.2	3.0	.6								6.7	7.1
SSW	.1	1.3	2.7	.3	.2							4.7	8.1
SW	.3	1.5	1.8	.9	.3							5.2	8.3
WSW	.3	2.6	4.7	1.3	.2							9.2	7.9
W	.6	3.0	6.3	3.6	.7				.1			14.7	8.6
WNW	.2	1.6	2.6	.5								5.0	7.4
NW	.1	2.4	2.4	.2								5.1	7.0
NNW	.6	3.0	3.0	1.3	.1							7.6	7.4
VARBL	2.2	1.1										3.3	3.0
CALM												4.2	
	8.7	31.1	40.4	13.7	1.8				.1			100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

876

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34250 SALZGRIEN GERMANY/COLEMAN AAF STATION NAME 60-70 YEARS NORTH
CLASS ALL WEATHER 1800-2000 HOURS LST

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.5	3.7	.5								9.1	6.4
NNE	1.1	2.2	1.6	.3								5.1	5.2
NE	.6	3.5	2.4	.5								7.1	6.8
ENE	1.3	2.6	2.1	.2								6.1	5.7
E	1.4	2.9	.6	.2								5.1	4.6
ESE	.6	.5	.3									1.6	4.3
SE	.5	1.1	.2									1.8	4.2
SSE		1.9	.6	.3								2.9	6.1
S	.6	2.1	2.1	.3	.3							5.5	7.2
SSW	.6	1.1	1.4	.3								3.5	6.8
SW	.3	1.8	1.8									3.9	6.3
WSW	1.0	3.7	3.5	1.1								9.3	6.9
W	1.3	3.7	5.8	1.3	.2							12.2	7.5
WNW	1.6	1.6	2.1	.3		.2						5.8	6.4
NW	1.9	1.6	1.0									4.5	4.5
NNW	1.6	2.7	2.1	.3								6.7	6.7
VARBL	.6	.2										.8	2.8
CALM												.2	
	17.2	30.4	31.3	5.9	.5	.2						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 623

DATA PROCESSING DIVISION
BTAC/USAF
AIR WEATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34068 STATION NAME SANDHOPE GERMANY/COLEMAN AAP YEARS 62 MONTH 4/6
CLASS ALL WEATHER HOURS (LST) 000-0200
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW				100.0								100.0	11.0
W													
WNW													
W													
NNW													
VARBL													
CALM												0.0	
				100.0								100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 1

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24060
STATION

SANDEREN GERMANY/COLEMAN AAF
STATION NAME

60-64
YEARS

46
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	2.8	.9									6.6	4.7
NNE		1.9	.9									2.8	6.0
NE	2.8	.9										3.8	3.3
ENE	.9	.9										1.9	4.5
E													
ESE	2.8	.9										3.8	3.5
SE	1.9	2.8	1.9									6.6	4.9
SSE	2.8	2.7										8.5	4.1
S	2.8	2.8	5.7									12.3	6.4
SSW		1.9										1.9	4.5
SW			1.9									1.9	8.0
WSW	.9	.9	1.9									3.8	6.3
W		1.9										1.9	5.0
WNW													
NW			.9									.9	7.0
NNW	.9	1.9										2.8	4.0
VARBL													
CALM												40.6	
	18.9	26.4	14.2									100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

106

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 30069 SAARBRÜCKEN GERMANY/COLEMAN AFB 60-70 YEARS MONTH 00-00
STATION NAME ALL SEATHER CLASS 0000-0000 HOURS L.L.T.T.
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 55	%	MEAN WIND SPEED
N	3.1	4.0	1.2	.1								9.1	4.1
NNE	1.3	2.8	.8	.1								5.1	4.1
NE	.8	1.1	.2									1.9	4.1
ENE	1.1	.4										1.4	2.9
E	.2	.3										1.4	3.4
ESE	.7	.2	.1									1.0	3.4
SE	.0	1.7	.6									2.3	4.8
SSE	2.2	2.7	.7									6.6	4.8
S	1.8	4.3	3.8	.7								12.8	6.3
SSW	.2	2.4	1.3		.1							4.1	6.3
SW	.7	2.0	2.7	1.0	.2							6.6	7.8
WSW	.7	2.2	3.3	.3								6.3	6.8
W	.7	2.1	1.8	.4								5.1	6.3
WNW	1.7	.7	.2	.1								2.7	4.0
NW	1.1	1.1	.2									2.4	3.9
NNW	1.2	1.6	.4	.1								3.4	4.3
VARBL	3.3	.6										3.8	2.7
CALM												26.3	
	20.9	32.1	17.4	2.9	.3							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 890

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

3406P
STATION

SAID LEE GERMANY/COLE A AAF
STATION NAME

60-70
YEARS

YEARS

4.6
MONTH

ALL WEATHER
CLASS

1970-1100
HOURS U.S.T.

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.5	1.9	.2								8.3	5.4
NNE	1.1	1.8	.5	.3								3.6	5.4
NE	1.1	1.0	1.0									2.9	5.2
ENE	.5	.6	.5	.1								1.8	5.6
E	.4	.5	.1									1.1	4.4
ESE	.4	.3	.3									1.1	5.4
SE	.2	.4	.3									1.0	6.0
SSE	.9	1.8	1.5									4.2	5.7
S	.7	5.0	5.1	1.2	.1							12.2	7.3
SSW	1.0	2.4	2.2	.9	.1							6.5	7.5
SW	.6	2.6	2.4	1.5	.1							7.2	8.1
WSW	.6	2.9	3.6	2.6	.3	.1						10.1	8.7
W	1.2	2.7	4.0	1.6	.1	.1						9.8	7.9
WNW	.3	1.8	1.8	.1								4.1	6.2
NW	1.0	1.2	1.5	.2								3.8	6.2
NNW	1.2	2.0	1.6									5.1	5.6
VARBL	6.3	1.8										8.1	2.6
CALM												9.1	
	19.1	33.3	28.6	8.9	.7	.2						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

936

DATA PROCESSING UNIT
ETAC/USAF
AIR WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34068 STATION NAME: SA LUFER GERMANY/COLEMAN AAF 60-70 YEARS: 1200-1400 MONTH: JULY

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.8	2.7	.3								7.2	5.2
NNE	.5	1.3	1.2	.4								3.9	5.3
NE	.2	2.1	.3	.2								2.6	5.4
ENE	.2	.7	.8	.2								1.8	4.7
E		.5	.4									1.2	6.8
ESE		.5	.3	.1								1.2	5.9
SE	.3	.8	.7									1.7	6.4
SSE	.3	1.3	1.3	.4								3.2	7.1
S	.4	2.8	3.0	.8								9.1	7.6
SSW	.3	2.0	3.1	1.9	.1							7.3	8.7
SW	.4	2.3	2.9	1.7								7.6	8.3
WSW	.9	2.1	4.7	4.1	.8							12.6	9.4
W	1.0	3.2	3.1	4.1	.7							14.2	8.9
WNW	.5	2.1	1.2	.5								4.4	6.8
NW	.7	1.4	1.6	.3								4.0	6.8
NNW	.8	1.9	2.7	.3								5.7	6.7
VARBL	4.1	3.3										7.3	3.3
CALM												3.4	
	12.2	33.3	34.2	15.4	1.5							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 916

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34068
STATION

SANDERF DEERMAN/CALE A. AFB
STATION NAME

61-70
YEARS

ALL WEATHER
CLASS

1500-1700
HOURS

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.5	3.3	.9								8.0	4.0
NNE	.3	1.1	1.8	.2								3.4	6.0
NE	.3	.7	1.3	.1								2.4	6.0
ENE	.7	1.2	.8									2.7	5.3
E	.5	.9	.8	.1								2.3	5.1
ESE	.2	.7	.3									1.2	5.0
SE	.2	.9	.6									1.8	5.6
SSE	.3	1.4	.8									2.8	5.8
S	.8	1.8	2.6	1.1								6.2	7.7
SSW	.2	1.3	2.7	1.1								5.6	8.6
SW	.4	2.8	2.1	1.5	.1							8.4	7.8
WSW	.2	2.3	3.9	3.7	.9	.1						13.4	10.0
W	.9	3.3	6.7	3.4	.6	.1						13.2	9.0
WNW	.7	1.6	1.6	1.2		.1						3.2	7.7
NW	.7	1.9	1.7	.5								4.8	6.6
NNW	.9	2.9	2.4	.6								6.8	6.2
VARBL	3.9	2.2	.1									6.1	3.1
CALM												3.1	
	13.4	31.0	36.6	14.4	1.6	.1						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

802

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 14065 SA 200501 GERMANY/COLE AL 6AF 60-70

ALL WEATHER
CLASS

1800-2000
MOON

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	2.5	4.8	1.6	.6								5.3
NNE	1.9	2.4	1.9									5.0
NE	.9	2.5	.6	.3								5.3
ENE	.7	.6	.3	.1								4.8
E	1.1	1.8	.4									4.5
ESE	.9	.9	.6									5.2
SE	.6	.7	.2									4.5
SSE	.9	1.9	.1									4.2
S	.6	2.4	1.9	.1								6.3
SSW	.1	1.6	1.6	.4								7.3
SW	.7	2.6	1.5	.6	.3							6.8
WSW	1.2	2.7	4.2	1.5	.4							7.8
W	1.6	4.5	6.0	1.6	.4	.3						8.0
WNW	.7	1.2	1.2									6.0
NW	1.6	2.8	.6	.1	.3							5.5
NNW	1.5	3.6	2.1	.3								5.9
VARBL	2.1											1.7
CALM												10.6
	19.3	37.7	25.1	5.5	1.5	.3						5.6

TOTAL NUMBER OF OBSERVATIONS 669

1

DATE PREPARED: 01 APR 68
STATION: USAF
AIR WEATHER: 1007 AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
FROM HOURLY OBSERVATIONS

SURFACE WINDS

240000Z 04 APR 68 1007 AC 12

ALL WEATHER

2170-2300

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	210	MEAN WIND SPEED
N												
NNE												
NE												
ENE												
E												
ESE												
SE		100.0										100.0 5.0
SSE												
S												
SSW												
SW												
WSW												
W												
WNW												
NW												
NNW												
VARBL												
CALM												0.0
		100.0										100.0 5.0

TOTAL NUMBER OF OBSERVATIONS

1

1

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
FROM HOURLY OBSERVATIONS

3407 5-1-68 762 V/2 1968 4-1-68

DATE

2000

[illegible]

TOTAL NUMBER OF CELEBRATIONS.

127

AD-A087 816 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
SANDHOFEN GERMANY/COLEMAN AAF. REVISED UNIFORM SUMMARY OF SURFA--ETC (U)
FEB 72

AD-A087 816 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
SANDHOFEN GERMANY/COLEMAN AAF. REVISED UNIFORM SUMMARY OF SURFA--ETC (U)
FEB 72

UNCLASSIFIED ~~CONFIDENTIAL~~ USAFETAC/DS-80/056 MUNCLASSIFIED ~~CONFIDENTIAL~~ USAFETAC/DS-80/056 M[illegible]

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34068 SANDHUFEN GERMANY/COLEMAN AAF 59-70 YEARS
STATION NAME CLASS ALL WEATHER
CONDITION
ALG BORTH
0670-0800 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	2.8	1.7	.2								8.7	4.5
NNE	2.4	2.0	.4	.1								4.9	3.9
NE	.7	1.0	.4	.1								2.2	3.2
ENE	.3	.2										.6	3.5
E	.4											.4	2.0
ESE	.1	.2										.4	3.5
SE	.4	1.1	.4									1.9	4.6
SSE	1.6	4.1	1.2									7.0	4.8
S	2.1	6.2	3.6	1.0	.1							19.1	6.6
SSW	1.1	3.0	1.6	.4								6.1	6.0
SW	.5	2.5	1.4	.3								4.7	6.0
WSW	1.0	2.2	2.6	.5								6.4	6.6
W	.6	2.0	.6	.3								3.5	5.7
WNW	.5	.8	.4									1.7	5.1
NW	.9	.8	.5									2.2	4.3
NNW	2.4	.9	.6									3.9	3.7
VARBL	2.1											2.1	1.3
CALM												28.0	
	21.2	30.2	17.5	2.9	.1							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 992

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34068 SAACHUFEN GERMANY/COLEMAN AAP YEARS 59-70 MONTH AUG
CLASS ALL WEATHER HOURS (LST) 0900-1100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.8	2.5	.5								8.0	5.7
NNE	1.1	1.9	1.0	.6								4.7	5.8
NE	.4	.7	.4	.2								1.6	6.4
ENE	.7	1.0	.9									2.5	5.5
E	.2	.8	.2									1.1	4.9
ESE	.2	.8	.2									1.1	4.9
SE	.6	.8	.1									1.4	4.1
SSE	.6	2.1	1.3	.2								4.2	5.7
S	1.4	4.8	3.0	1.0								12.3	7.0
SSW	.6	2.0	2.2	.4	.1							6.4	6.8
SW	.9	2.8	2.2	1.7	.3							8.9	7.9
WSW	.5	2.6	4.4	2.0	.1							9.9	8.2
W	.8	2.7	3.4	1.2								8.1	7.5
WNW	.5	.5	1.1	.1								2.2	6.9
NW	.7	1.0	.7	.1								2.5	5.4
NNW	.8	2.1	1.2	.2								4.3	6.1
VARBL	5.2	.9										5.9	2.0
CALM												19.4	
	17.2	30.7	28.0	8.2	.5							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 1050

DATA PROCESSING DIVISION
BTAC/USAF
AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
14068

STATION NAME
SAIDHOFEN GERMANY/COLEMAN AAF

YEARS
59-70

MONTH
AUG

CLASS
ALL WEATHER

HOURLY (LST)
1200-1400

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.0	2.1	.2	.1							5.4	6.8
NNE	.7	1.6	1.1									3.3	5.7
NE	.4	1.2	1.3	.4								3.3	6.9
ENE	.5	1.1	1.0	.3								2.5	6.6
E	.3	.9	.8	.1								2.4	6.7
ESE	.3	.6	.9									1.8	5.9
SE	.2	.5	.2	.1								1.4	5.9
SSE	.4	1.7	.7	.3								3.2	6.1
S	.5	3.4	2.6	.8								12.2	7.0
SSW	.9	2.2	2.6	1.0	.1							6.9	7.4
SW	.8	1.9	4.4	1.4	.3							6.9	8.6
WSW	.7	2.5	3.8	3.1	.7							12.8	8.4
W	1.2	3.1	2.5	3.1	.4	.1						11.5	8.7
WNW	.8	1.9	1.0	.6								4.2	6.7
NW	.1	1.4	1.0	.5								2.9	7.5
NNW	.6	2.1	1.7	.3								4.9	6.3
VARBL	2.2	1.6										6.7	2.6
CALM												6.4	
	14.5	31.7	22.4	12.1	1.8	.1						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

1026

DATA PROCESSING DIVISION
BTAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34068 SANDHOFEN GERMANY/COLEMAN AAP 59-70 YEARS AUG NORTH
CLASS ALL WEATHER 1900-1700 HOURS - L.S.T.
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	3.0	2.7	.4								7.1	6.4
NNE	.5	1.5	1.4									3.4	6.1
NE	.3	1.5	2.1	.3								4.3	7.2
ENE	.3	1.2	1.1	.2								2.8	6.5
E	.8	1.7	1.5	.6	.1							4.8	6.8
ESE	.5	1.4	.1									2.7	4.6
SE	.5	.9	.7									2.1	5.5
SSE	.3	1.5	.7									2.5	5.8
S	1.3	3.1	2.6	.8								10.5	7.1
SSW	.9	1.1	2.6	1.4								5.7	8.4
SW	.5	1.8	4.9	1.5	.2							8.9	8.6
WSW	.4	2.2	5.6	3.6	.8	.1						12.8	9.9
W	.7	2.6	6.7	3.9	.2							14.1	9.0
WNW	.5	.8	.9	.2								2.4	6.5
NW	.2	1.8	.9	.5								3.4	7.1
NNW	.1	1.3	1.3	.2								3.0	6.7
VARBL	2.2	1.1										4.4	2.8
CALM												5.4	
	11.7	28.9	38.9	13.8	1.3	.1						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 987

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
34068

STATION NAME
SANDHORN GERMANY/COLEMAN AAF

YEARS
60-70

MO
AUG

CLASS
ALL WEATHER

MO
1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.2	1.2									4.2	3.3
NNE	2.2	1.6	.4	.1								4.4	3.9
NE	1.6	2.1	.7	.3								9.6	4.7
ENE	3.0	2.4	.7									6.0	4.1
E	3.4	.9	.1									4.4	3.3
ESE	1.1	.7	.1									1.9	3.4
SE	1.1	1.2	.1									2.4	3.9
SSE	.5	1.2	.4									2.2	4.8
S	1.1	2.3	3.6	.4								7.5	6.9
SSW	.5	.9	3.5	.5								5.5	7.3
SW	.5	3.4	4.3	.5	.1							8.9	7.2
WSW	.9	5.2	3.5	1.9	.4							12.0	7.7
W	2.0	6.3	3.5	1.3								19.2	6.3
WNW	1.1	.8	.8	.1								2.5	3.2
NW	.9	.8	1.1									2.8	3.4
NNW	.4	.9	.9									2.3	3.7
VARBL	2.0	.1										2.2	1.6
CALM												11.7	
	23.3	34.1	25.1	5.2	.5							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

744

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34068 SANDHOFEN GERMANY/COLEMAN AAF YEARS 60-64 MONTH SEP
STATION NAME CLASS ALL WEATHER HOURS (LST) 0300-0500
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	4.4	.9									7.9	4.3
NNE			.9									.9	7.0
NE	.9											.9	2.0
ENE	.9	.9										1.8	3.3
E		.9										.9	4.0
ESE		.9	.9									1.8	7.0
SE	.9	.9	2.6									4.4	6.6
SSE	2.6	2.6										7.9	4.1
S	1.8	4.4	2.6	.9								9.6	6.1
SSW		2.6	.9									3.3	6.3
SW	1.8	2.6	2.6	.9								7.9	6.1
WSW		1.8	1.8	.9								4.4	6.2
W	.9	.9	.9									2.6	3.3
WNW													
NW	1.8	.9										2.6	3.3
NNW	.9											.9	3.0
VARBL													
CALM												43.0	
	15.8	24.6	14.0	2.6								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 114

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 14008 SA B-DEEN GERMANY/CULEMAN AAF 29-72 YEARS MONTH SEP
CLASS ALL WEATHER HOURS (LST) 0600-0800
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.1	3.2	.9	.1								8.3	4.1
NNE	1.0	2.3	.2	.1								4.4	4.1
NE	1.5	2.0	.4	.1								4.1	4.3
ENE	.5	.6	.4	.1								1.7	5.5
E	.2											.3	2.7
ESE	.1											.1	2.0
SE	.6	.6	.2									1.5	4.3
SSE	1.9	4.0	1.7	.1								7.7	5.2
S	2.6	7.0	4.2	.9	.2							16.4	6.4
SSW	.4	1.0	1.9	.1	.1							4.4	7.0
SW	.4	1.0	1.9	.4	.1							4.5	7.5
WSW	.4	1.0	1.0	.1								3.8	6.5
W	.9	.6	1.1	.2								2.9	6.3
WNW	.2	.1	.2									.6	4.8
NW	.8	.0										1.4	3.8
NNW	1.7	1.2	.2									3.2	3.8
VARBL	.0											.8	1.1
CALM												36.0	
	18.4	27.4	15.2	2.4	.2							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 933

DATA PROCESSING DIVISION
BTAC/USAF
AIR WEATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34068
STATION

SANDHOFEN GERMANY/COLEMAN AAF
STATION NAME

59-70
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	5.5	1.9	.1								10.8	5.0
NNE	1.4	1.9	.9	.1								4.3	5.0
NE	.7	1.2	1.4	.3								3.6	6.4
ENE	.9	1.0	.9	.2								3.0	5.8
E	.3	.4	.3	.3								1.3	7.1
ESE	.3	.8	.1									1.2	4.3
SE	.6	1.1	.5									2.2	4.8
SSE	.5	2.1	1.0									3.6	5.5
S	1.7	5.7	6.2	1.9	.1							15.8	7.2
SSW	1.0	1.7	2.7	1.1								6.5	7.3
SW	.4	1.6	2.0	.3	.5							4.3	7.9
WSW	1.1	1.4	2.5	1.0								6.0	7.5
W	.6	1.1	2.2	1.8								5.7	8.6
WNW	1.1	.3	.7	.1								2.2	5.4
NW	.6	.3	.1	.2								1.4	4.8
NNW	.9	2.2	.9									4.0	5.3
VARBL	3.4	.7										4.1	2.4
CALM												19.3	
	18.8	29.3	24.5	7.4	.6							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

995

1

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34069 STATION SAATCHEREN GERMANY/COLEMAN AAF 59-70 YEARS SEP MONTH
1200-1400 HOURS
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.6	2.5	.3								6.8	6.4
NNE	.4	1.9	1.8									3.9	6.4
NE	.7	1.3	2.4	.6	.1							5.2	7.0
ENE	.8	1.6	1.3	.7	.1							4.6	7.0
E	.1	1.0	.6	.6								2.4	7.9
ESE	.3	1.3	.4	.2								2.5	6.0
SE	.5	.7	.7									2.0	5.4
SSE	.2	2.2	.7	.3								3.5	6.2
S	1.1	4.2	3.7	1.9		.1						10.9	7.4
SSW	.3	2.4	2.2	1.5								7.5	8.1
SW	.2	.9	2.2	2.1	.2							5.6	9.7
WSW	.8	1.8	2.7	2.2	.5							10.1	9.6
W	.4	2.2	3.3	2.7	.4							9.0	9.3
WNW	.8	1.3	.9	.6	.1							3.8	7.1
NW	.9	.9	1.0	.2								3.1	5.4
NNW	.1	1.4	.6									2.2	6.1
VARBL	4.0	2.3										6.3	3.0
CALM												10.7	
	13.2	30.3	29.2	15.1	1.4	.1						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 970

DATA PROCESSING DIVISION
STAC/USAF
AIR WEATHER SERVICE/STAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34008 SAIGON GERMAN/COLEMAN AAF YEARS 59-70 MONTH SEP
STATION NAME CLASS ALL WEATHER HOURS 1300-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.8	2.8	.9								7.8	6.5
NNE	1.2	1.6	3.0									5.6	6.4
NE	.6	1.8	3.0	.3								5.9	6.7
ENE	.6	1.7	2.4	.9	.2							5.8	7.6
E	.4	1.5	.9	.2								3.8	6.0
ESE	1.0	1.0	.6									2.6	5.2
SE	.9	1.3	.3									2.5	4.4
SSE	1.3	2.5	1.2									5.0	5.3
S	.4	4.1	5.0	1.6	.1							11.3	7.6
SSW	.2	1.2	2.2	1.0								4.8	8.3
SW	.3	1.8	3.7	.9	.1							6.8	8.2
WSW	.4	2.1	3.2	3.0	.3							9.8	10.0
W	.3	1.5	3.7	3.0	.2							8.8	9.3
WNW	.5	1.1	.6	.9	.3							3.6	8.5
NW	.4	.6	.4	.2								1.8	6.2
NNW	.6	1.4	1.3	.1								3.5	6.1
VARBL	2.1	.4										2.5	2.7
CALM												8.9	
	12.2	24.6	34.6	13.5	1.3							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

926

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34068 SA 10000 GERMANY/COLEMAN AAF STATION NAME 60-70 YEARS SEP MONTH 1800-2000 HOURS
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.7	.7									4.2	4.4
NNE	1.0	.7	1.3									2.6	4.4
NE	1.7	1.9	.7									4.3	4.3
ENE	2.1	2.7	.4									6.3	3.6
E	2.0	1.0	.3									3.8	3.4
ESE	2.4	1.9	.1									4.4	3.5
SE	1.4	1.4										2.8	3.6
SSE	1.1	1.9	.7									3.7	4.7
S	1.3	4.0	2.7	.1								8.1	5.8
SSW	.9	2.0	2.4	.6								5.8	6.0
SW	.3	2.0	1.6	.7								5.1	6.9
WSW	1.3	4.0	4.3	1.4								11.7	7.1
W	1.3	3.0	3.0	.3								8.1	6.3
WNW	.4	.4	.3	.2								1.4	6.4
NW	.1	.1	.7									1.3	6.3
NNW	.1	1.1	.3	.1								1.7	5.8
VARBL	2.7											2.7	1.3
CALM												21.8	
	24.2	30.9	19.5	3.6								100.2	4.1

TOTAL NUMBER OF OBSERVATIONS 702

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAJ

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 24068 STATION NAME SAND-DEER GERMANY/COLEMAN AAF YEARS 53 MONTH SEP
CLASS ALL WEATHER HOURS 2100-2300
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W		100.0										100.0	5.0
WNW													
NW													
NNW													
VARBL													
CALM												0.0	
		100.0										100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34068 STATION NAME SANDOLPH GERMANY/COLEMAN AAF YEARS 51-64 MONTH OCT
CLASS ALL WEATHER HOURS (LST) 0300-0500
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.2	6.2	1.0	1.0								14.4	4.9
NNE		5.2	3.1									8.2	6.1
NE	4.1	1.0										5.2	3.2
ENE	2.1											2.1	3.0
E													
ESE	1.0	1.0	2.1									4.1	5.3
SE	1.0	1.0	2.1									4.1	7.0
SSE	1.0	5.2	1.0									7.2	4.9
S	4.1	7.2	2.1	4.1								17.5	6.3
SSW			3.1	1.0								4.1	9.5
SW			1.0									1.0	10.0
WSW				1.0								1.0	12.0
W			2.1									2.1	7.5
WNW		1.0										1.0	4.0
NW													
NNW	1.0	4.1										5.2	4.2
VARBL													
CALM												22.7	
	20.6	32.0	17.5	7.2								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 97

DATA PROCESSING DIVISION
BTAC/USAF
AIR WEATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34068 SANDHURST GERMANY/COLEMAN AAF 59-70 YEARS

MONTH OCT

ALL WEATHER
CLASS

2600-0800
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	3.4	1.7	.2	.2							7.4	5.3
NNE	1.2	2.6	.7	.2								4.4	4.9
NE	.8	1.5	.4									2.7	4.6
ENE	1.7	2.3	.4									4.4	4.2
E	.6	.3	.1									1.0	3.9
ESE	.5	.4										.9	3.8
SE	.7	1.5	.5									2.7	5.0
SSE	1.6	4.6	1.8	.4								8.3	5.3
S	2.8	5.6	4.1	2.6								15.1	6.8
SSW	.1	1.0	2.2	.7	.1							4.2	8.7
SW	.2	1.2	2.5	.9								4.9	8.3
WSW	.2	.6	1.1	.3	.1	.1	.1					2.6	9.2
W	.6	1.1	1.0	.6								3.4	6.5
WNW	.5	.2	.5	.1								1.4	6.2
NW	.6	.6	.5	.1								1.9	5.4
NNW	.6	.6	.2	.1								1.6	4.9
VARBL	2.2	.2										2.4	1.6
CALM												30.3	
	17.6	27.3	17.8	6.4	.4	.1	.1					100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 960

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34068 SAND-UFEN GERMANY/COLEMAN AAF STATION NAME 59-70 YEARS
CCT NORTH
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.5	3.1	.4								9.8	5.9
NNE	1.4	2.0	.8	.4								4.6	5.4
NE	.9	1.6	1.5									4.2	5.6
ENE	1.2	1.2	.5	.1								2.9	4.5
E	.6	1.3	.5									2.3	4.9
ESE	1.0	.5	.1									1.6	3.8
SE	.2	.7	.4									1.4	5.6
SSE	.7	3.0	2.8	.4								6.9	6.6
S	1.0	5.4	6.2	3.3								16.9	7.6
SSW	.6	2.4	3.4	1.2	.1							7.7	7.7
SW	.6	.8	1.6	1.6								4.6	8.8
WSW	.1	1.3	1.6	1.0	.1	.2						4.2	9.3
W	1.4	1.3	2.2	.4								5.2	6.2
WNW	.9	.8	.7	.2								2.6	5.7
NW	.8	.2	.8	.2								1.9	6.1
NNW	.8	2.1	.6	.1								3.6	5.2
VARBL	2.7	.3										3.0	1.8
CALM												17.1	
	17.3	29.3	26.7	9.2	.2	.2						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 1032

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34069 SANDHOFEN GERMANY/COLEMAN AAF 59-70 YEARS MONTH ECT
CLASS ALL WEATHER MONTH 1200-1400
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	4.8	2.5	.5								9.0	6.2
NNE	1.2	1.8	2.1	.5								5.6	6.3
NE	.4	.9	2.1	.5								3.9	7.4
ENE	1.0	1.2	.9	.3								3.4	5.7
E	.7	1.0	.6	.3								2.6	5.8
ESE	.3	.6	.3									1.4	5.0
SE	.3	.4										.7	4.0
SSE	.3	2.4	1.6	.2								4.7	6.2
S	1.7	4.5	6.6	2.4	.1							15.2	7.6
SSW	.9	2.8	3.4	.7	.1							7.9	7.3
SW	.2	1.9	2.9	2.5	.2	.1						7.8	9.2
WSW	.7	2.2	2.8	1.5	.2		.1					7.6	8.5
W	.7	2.4	1.5	1.9	.1							6.6	8.2
WNW	1.2	1.4	1.3	.5								4.4	6.4
NW	.8	.6	.6	.5								2.5	6.2
NNW	.6	1.9	1.0	.6								4.1	6.5
VARBL	3.4	.5										3.9	1.9
CALM												9.0	
	15.4	31.5	30.1	13.1	.7	.1	.1					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 1004

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34068 SAND-OFEN GERMANY/COLEMAN AFB YEARS 59-70
STATION NAME
CLASS ALL WEATHER
CONDITION
LCT NORTH
1200-1700
HOURS LT, S Y

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	5.1	2.1	.1								9.6	5.1
NNE	1.5	2.2	2.0	.6								5.4	6.5
NE	.5	2.7	2.3	.2								5.7	6.4
ENE	.6	1.6	2.1	.1								4.4	6.6
E	.9	.5	.8	.3								2.6	5.7
ESE	1.0	1.0	.2									2.3	4.1
SE	.6	.6	.2									1.7	4.3
SSE	1.0	1.9	.7	.2								3.8	5.4
S	.9	2.7	3.3	1.6	.2							11.8	7.8
SSW	.2	2.4	2.6	1.1								6.3	7.8
SW	.3	1.5	2.7	1.2	.5	.1						6.3	9.2
WSW	1.0	2.2	3.1	1.7	.1							8.1	7.8
W	1.6	3.0	2.9	1.3	.3							9.3	7.3
WNW	.7	1.9	.9	.7								4.2	6.2
NW	.6	2.1	1.0	.2								3.9	5.9
NNW	.9	1.7	.4	.1								3.1	4.9
VARBL	2.2	.1										2.3	1.4
CALM												8.7	
	16.9	34.2	29.3	9.5	1.2	.1						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 963

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34002
STATION

SALTZBEN GERMANY/COLEMAN AAF
STATION NAME

61-70
YEARS

-CT
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS U.S.T.

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.7	1.0	.1								2.4	4.6
NNE	2.2	1.2	.6									2.2	3.2
NE	.9	2.2	1.0									4.1	4.9
ENE	4.5	3.8	.1									8.4	3.2
E	.7	1.2										1.9	3.9
ESE	.9	.7										1.6	3.5
SE	1.2	1.2	.1									2.7	3.7
SSE	.4	3.5	.4	.1								4.5	3.1
S	.6	2.7	4.2	1.9	.1							9.6	6.0
SSW	.4	1.9	2.7	.7								5.2	7.2
SW	.6	2.9	1.9	.3								5.6	6.1
WSW	.9	3.3	1.7	.9	.1							7.1	6.9
W	1.2	1.7	1.7	.1								4.9	3.4
WNW	.4	.7	1.2	.3								2.6	6.8
NW	.2	.9	.1	.3								1.3	4.7
NNW	1.2	1.0	.4									2.6	4.6
VARBL	3.0											3.8	1.3
CALM												24.5	
	22.7	30.8	17.2	4.5	.3							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 691

DATA PROCESSING DIVISION
 BTAC/USAF
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34068 SAIGUPE GERMANY/COLEMAN AAF STATION NAME 61-04466 YEARS

NOV MONTH
 0270-0300 HOURS LST

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	4.6	2.7									9.2	6.2
NNE		2.8	1.8									4.6	3.8
NE	1.8	2.8										4.6	4.2
ENE	1.8											1.8	3.8
E		.9										.9	4.0
ESE		.9										.9	3.0
SE		.9										.9	3.0
SSE	1.8	2.8	2.8									7.9	6.1
S	.9	2.7	2.5	2.7								13.8	8.1
SSW		.9			.9							1.8	10.5
SW		.9	1.8	1.8								4.6	10.2
WSW	.9	1.8	2.7	.9	.9	.9						9.2	9.7
W	.9	1.8										2.8	3.7
WNW		1.8	.9									2.8	6.3
NW													
NNW	1.8	.9	.9									3.7	3.0
VARBL													
CALM												31.2	
	11.0	27.5	21.1	6.4	1.8	.9						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 109

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/ETAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 16089 SALZGEBEN GERMANY/CULEMAN AAF YEAR 59-70 MONTH 07

CLASS ALL WEATHER

HOURS 0800

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	3.0	1.7	.1								7.5	4.9
NNE	1.1	2.1	1.7									4.4	5.6
NE	1.1	1.5	.6	.1								3.1	4.8
ENE	1.2	1.7	.3									3.4	4.1
E	1.2	.2	.1									1.6	3.3
ESE	.9	.4	.1									1.3	3.8
SE	.8	1.0										1.4	4.2
SSE	1.1	3.2	1.6	.9								7.0	6.1
S	1.2	4.8	6.7	3.0	.4							16.3	8.0
SSW	.4	1.9	2.1	2.5	.2							7.2	9.1
SW	.4	.6	1.3	1.3	.2							3.9	9.4
WSW	.3	.9	2.1	2.6	.4	.1						6.3	10.3
W	.6	.6	1.2	1.3								3.7	8.5
WNW	.2	.4	.6	.3								1.7	7.1
NW	.2	.1										.4	3.5
NNW	.6	1.2	.1									1.9	4.1
VARBL	1.7	.3										2.5	2.2
CALM												25.9	
	16.2	24.2	20.2	12.2	1.3	.1						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 893

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14000
STATION

SAALHOFEN GERMANY/GLEBA AAF
STATION NAME

59-72
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS U.S.T.

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	1.9	.5								7.1	5.8
NNE	1.9	2.7	1.9	.2								6.8	5.5
NE	1.0	2.3	.6									3.9	4.8
ENE	1.2	1.2	.6									3.2	4.8
E	1.4	1.0	.2	.1								2.8	4.1
ESE	.2	.6	.2									1.1	4.4
SE	.1	1.2	.3									1.7	5.4
SSE	.5	2.2	2.8	.3								6.1	6.8
S	1.9	2.7	9.6	2.2	.2							18.4	8.4
SSW	.4	1.0	2.2	2.5	.9							7.8	10.4
SW	.7	1.2	2.2	1.7	.1							5.9	8.7
WSW	.3	1.2	2.1	2.4								6.3	9.0
W	.5	1.6	1.7	1.5	.2	.1						5.2	8.4
WNW	.1	.2	.6	.2	.1							1.2	8.3
NW	.6	.3	.2	.2								1.3	6.7
NNW	1.9	1.1	.7	.2								3.6	4.9
VARBL	.8	.2										1.0	2.4
CALM												16.2	
	15.2	26.2	27.9	13.4	1.2	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

975

DATA PROCESSING DIVISION
BTAC/USAF
AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34068 SAND-DEEN GERMANY/COLEMAN AAF STATION NAME 59-70 YEARS NORTH 1200-1400 HOURS (LST)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	4.7	2.7	.3								9.8	5.7
NNE	.7	2.2	.8	.4								4.5	6.0
NE	.7	1.7	.6	.1								3.1	5.2
ENE	.8	1.2	1.6	.1								3.7	6.3
E	.4	.4	.3	.3								1.5	6.7
ESE	.5	.4	.1									1.0	4.1
SE	.6	.5	.5									1.7	5.3
SSE	.5	2.0	1.8	.6								4.9	7.1
S	.9	4.8	10.6	3.7	.4	.1						20.6	8.6
SSW	.4	1.0	2.2	3.8	.4							8.4	10.2
SW	.2	.7	2.1	2.4	.6							6.1	10.6
WSW	.6	1.5	2.8	2.3	.1							7.3	8.9
W	1.0	1.0	2.8	1.5	.2	.1						7.2	8.1
WNW	.4	1.0	.9	.4								2.8	6.3
NW	.4	.9	.7	.1								2.2	6.0
NNW	.6	1.9	.8	.1								3.3	5.4
VARBL	1.9	.2										2.2	2.5
CALM												9.4	
	13.2	27.3	31.6	16.2	1.8	.2						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 953

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34008
STATION

SA DUNFEE GERMANY/CULE AAF
STATION NAME

59-70
YEARS

NOV
MONTH

1970-1970
HOURS - 1.57

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	3.9	2.3	.8								9.1	5.2
NNE	1.5	2.0	1.6	.3								5.5	5.8
NE	.7	1.2	.9									2.7	5.6
ENE	.4	2.0	.7	.3								3.4	5.8
E	1.2	.9	.7	.1								2.8	5.0
ESE	.9	1.1	.2									2.2	4.2
SE	1.0	.7	.4	.1								2.2	4.9
SSE	1.0	1.6	2.2	.5								5.4	6.8
S		4.5	7.9	2.7	.4	.1						15.6	8.6
SSW	.3	1.6	3.3	2.3	.5							8.1	9.9
SW	.3	1.3	3.0	2.1	.3	.2						7.2	9.8
WSW	.5	2.6	2.6	1.2	.3							7.3	8.0
W	.7	1.5	2.1	1.2		.1						5.6	8.0
WNW	.7	.4	.9	.1								2.1	5.9
NW	1.1	1.3	.2									2.6	4.3
NNW	.4	1.2	.4									2.1	4.7
VARBL	1.3	.3										1.9	2.8
CALM												14.3	
	14.1	28.4	29.2	11.8	1.6	.4						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

912

DATA PROCESSING DIVISION
 BTAC/USAF
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

STATION 34008 SANDURFEN GERMANY/COLEMAN AFB 60-70 YEARS 1970 MONTH 1800-2000 HOURS
 CLASS ALL WEATHER
 CONDITION

SPEED KNTS. DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.2	1.5	.7								7.1	5.4
NNE	2.1	2.2	1.5	.3								6.0	5.5
NE	1.0	2.5	.7									4.3	4.9
ENE	1.5	1.0	1.0									3.8	4.5
E	1.2	.9	.3									2.4	3.6
ESE	1.0	.6	.1									1.8	3.7
SE	1.3	.6	.2									2.4	3.9
SSE	.4	1.5	1.8	.6								4.3	7.1
S	1.2	5.9	6.5	3.2	.1							16.9	7.9
SSW	.9	1.8	2.5	2.2	.3							8.7	8.5
SW	.1	2.6	2.9	2.8	.1	.1						8.8	9.4
WSW	.6	2.4	2.6	1.5	.1							7.2	8.0
W	1.2	1.2	1.0	1.0								4.4	6.8
WNW		.4	.3	.3		.1						1.2	10.3
NW	.3	.1	.1									.6	4.5
NNW	.1	.6										.7	4.2
VARBL	2.0	.3										2.9	1.8
CALM												16.9	
	10.4	20.8	24.3	12.6	.7	.3						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 680

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34068 SA. DIEPEN GERMANY/COLEMAN AAF

62

YEARS

REV

ALL WEATHER
CLASS

2100-2300
LOCAL TIME

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N												
NNE												
NE												
ENE												
E												
ESE												
SE												
SSE		14.3	14.3									28.6
S			28.6									28.6
SSW												
SW												
WSW												
W												
WNW												
NW												
NNW												
VARBL												
CALM												42.9
	14.3	42.9										100.0

TOTAL NUMBER OF OBSERVATIONS

7

1

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
FROM HOURLY OBSERVATIONS

24008 SA FIVE DEBRA Y/GLENN JAE 01-94

256

0256-0500

ALL FEATHER

2000

[illegible]

TOTAL NUMBER OF OBSERVATIONS

63

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34069 SANDWEEH GERMANY/GULEMAN AAF STATION NAME 59-70 YEARS DEC MONTH
ALL WEATHER CLASS 0000-0900 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.2	1.9	.4								7.3	5.6
NNE	1.7	1.0	1.4	.7								2.2	5.4
NE	1.2	3.0	1.2	.4								6.2	5.5
ENE	.7	1.0	.4	.1								3.0	5.1
E	1.0	.9	.2									2.1	4.2
ESE	.2	1.2										1.5	4.1
SE	1.1	1.7	.6									3.3	4.3
SSE	1.2	2.5	1.3	.3								5.4	5.9
S	.0	0.0	0.0	3.0	.3	.1						10.8	7.9
SSW		1.7	2.4	2.0	.2							6.3	9.4
SW	.2	1.0	2.0	1.5	.7							5.8	10.1
WSW	.3	1.2	2.2	1.3	.4	.2						5.8	9.4
W	.2	2.3	1.1	.8	.1							4.3	7.4
WNW	.1	.2	.2									.6	6.0
NW	.2	.1	.1									.4	4.5
NNW	1.0	1.0	.2									2.2	4.1
VARBL	1.2	.1										1.3	1.7
CALM												21.5	
	13.4	30.2	22.1	10.6	1.0	.3						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 904

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34068 SAARD-DEEN GERMANY/COLEMAN AAF

59-70

DEC

ALL WEATHER

0900-1100

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.9	1.5	.6								7.8	3.7
NNE	1.5	2.1	1.6	.3								3.3	3.6
NE	1.1	2.8	1.6	.6								6.1	6.1
ENE	1.4	1.5	.7									3.6	4.5
E	.8	1.8										2.6	4.0
ESE	.2	1.0	.4									1.9	4.7
SE	.7	1.4	.3									2.4	4.5
SSE	.9	2.6	2.1	.1								6.8	5.9
S	1.3	5.0	7.5	3.4	.4							17.6	8.3
SSW	.5	1.3	2.2	1.9	.5							7.5	9.6
SW	.1	.9	2.1	1.6	.7	.1						5.5	10.8
WSW	.5	1.0	2.2	1.4	.5	.2						6.0	10.1
W	.3	1.1	2.8	.5								4.7	7.6
WNW	.5	.2	.6									1.3	5.9
NW	.5	.5										1.0	3.8
NNW	.4	1.6	.2	.1								2.3	5.0
VARBL	1.1	.2										1.3	2.1
CALM												19.8	
	13.9	30.1	27.0	10.6	2.1	.4						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

992

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34C68 STATION NAME SANDHOFEN GERMANY/COLEMAN AAF YEARS 59-70 MONTH DEC
CLASS ALL WEATHER HOURS 1200-1400
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	5.1	2.1	.3								9.4	5.6
NNE	.8	3.3	1.7	.3								6.1	6.1
NE	.5	2.7	1.6	.5								5.4	6.6
ENE	.9	1.3	.9	.5								3.9	6.5
E	1.4	1.2	.4	.2								3.3	4.7
ESE	.6	.8	.5									2.0	4.9
SE	.8	1.2	.2									2.2	4.3
SSE	.6	2.8	1.4	.3								3.4	6.0
S	.6	4.2	7.5	3.5	.5							16.3	8.7
SSW	.1	1.6	2.7	2.3	.5							7.3	10.0
SW	.2	.9	1.8	1.1	.3	.2						4.6	9.7
WSW	.2	.8	2.4	3.3	.5	.3						7.6	11.3
W	.4	.7	2.7	2.2	.2	.1						6.4	9.7
WNW	.7	.7	.6	.1								2.2	9.7
NW	.6	.8	.7	.2								2.4	6.0
NNW	.9	1.2	.5									2.6	4.7
VARBL	1.2	.1										1.3	2.2
CALM												11.6	
	12.1	29.8	27.9	14.9	2.1	.6						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 949

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34068
STATION

SANDHOFEN GERMANY/COLEMAN AAF
STATION NAME

59-70
YEARS

DEC
MONTH

1800-1700
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	4.3	1.7	.2	.1							8.7	5.2
NNE	.7	2.5	1.7	.3								2.2	6.3
NE	.6	2.2	1.5	.2								4.5	6.0
ENE	.8	2.1	1.2	.2								4.3	5.6
E	1.8	1.3	.2									3.3	5.8
ESE	1.1	1.8	.1									2.8	5.9
SE	.6	1.2	.1									1.9	4.3
SSE	.7	2.5	.9	.1								4.2	5.5
S	.6	3.1	6.4	2.4	.3							12.8	8.5
SSW	.4	2.0	3.0	2.0	.8							8.2	9.2
SW	.1	1.5	1.9	2.3	.2							6.1	9.7
WSW	.2	1.8	3.5	1.9	.6							8.0	9.3
W	.9	1.8	2.7	1.5								6.9	8.0
WNW	.6	.6	.3	.1								1.4	3.2
NW	.4	.7	.3	.4	.1							2.0	7.6
NNW	.9	1.5	.7	.1								3.2	5.3
VARBL	1.3	.1										1.4	2.1
CALM												18.0	
	13.4	30.9	26.2	11.9	2.1							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

904

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34068 SANDHOFEN GERMANY/COLEMAN AAF 60-70 YEARS DEG NORTH
CLASS ALL WEATHER 1800-2000 HOURS (L & T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.3	1.4									3.3	3.3
NNE	1.0	1.9	1.2									4.2	3.3
NE	1.4	1.9	1.2									4.6	3.3
ENE	1.9	3.3	.1	.1								3.6	4.3
E	2.2	1.0										3.2	2.8
ESE	.6	1.6										2.2	3.9
SE	.7	.7										1.4	3.4
SSE	.9	2.2	1.2									4.2	3.3
S	1.6	3.6	7.5	1.7	.4	.4						19.3	6.2
SSW	.6	2.8	3.2	1.6	.3	.1						8.2	6.6
SW	.3	2.0	2.3	1.2	.3							6.2	6.3
WSW	.9	1.6	2.6	1.4	.4	.1	.1					7.2	9.2
W	1.2	1.9	2.2	1.4	.1	.1						6.9	7.7
WNW	.3	.4	.2		.1							1.2	6.3
NW	.1	.6	.1									.9	3.0
NNW	.6	2.0	1.2	.1								3.9	3.9
VARBL	1.9	.3										2.2	1.9
CALM												17.2	
	17.8	30.1	24.9	7.7	1.7	.9	.1					100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 692

DATA PROCESSING DIVISION
BTAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 24068 SANDHOFEN GERMANY/COLEMAN AAP 60

YEARS

DEC

MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		4.8										4.8	3.0
NNE		4.8										4.8	3.0
NE													
ENE													
E		14.3										14.3	4.7
ESE													
SE													
SSE	4.8											4.8	3.0
S		23.8	9.5									23.8	6.9
SSW		9.5										9.5	3.0
SW													
WSW													
W													
WNW		4.8										4.8	6.0
NW													
NNW													
VARBL													
CALM												23.8	
	4.8	41.9	9.5									100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

21

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34068 STATION NAME SANDHOFEN GERMANY/COLEMAN AAF YEARS 59-70 MONTH ALL
INSTRUMENT CLASS ALL
CONDITION CG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,
AND/OR VSBY 1/2 TO 2-1/2 MI W/CG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	4.8	2.6	.5	.0							10.8	5.5
NNE	1.6	2.2	1.2	.1		.0						3.1	3.1
NE	1.3	1.9	.4	.1								3.7	4.5
ENE	1.3	.9	.3	.0								2.5	4.1
E	.9	.3	.1									1.3	3.3
ESE	.6	.6	.0									1.3	3.6
SE	1.1	1.4	.3	.0								2.9	4.3
SSE	1.7	4.2	1.7	.2	.0							7.9	5.3
S	2.2	6.8	3.3	1.4	.2							16.1	6.7
SSW	.7	1.9	1.9	.8	.1							5.0	6.9
SW	.3	1.0	.6	.2	.0	.0						2.4	6.2
WSW	.6	1.0	.5	.2	.0	.0						2.4	5.7
W	1.1	1.1	.3	.1			.0		.0			2.6	4.7
WNW	.7	.7	.2	.0								1.6	4.1
NW	.8	.8	.2	.1								1.6	4.6
NNW	1.2	1.6	.6	.1								3.7	4.9
VARBL	2.1	.3										2.3	2.0
CALM												26.5	
	21.4	31.8	16.4	3.8	.3	.0	.0		.0			100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 12069

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

* Low percentages in visibility column ≥ 10 miles for some months and month-hour groups are due to station reporting a maximum visibility of 7 miles for these observations.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 0
NO CEILING								
1800								
1500								92.6
1200								
1000								
900								
800								
700								
600								
500								98.1
400								
300								
200								
100								
0				95.4	96.9	98.3		100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

•

CEILING VERSUS VISIBILITY

34005 SAMUEL JEFF GERRA V/COLEMAN 22F

59-7.

✿ ✿ ✿

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

— 10 —

17.2	20.1	23.4	26.0	28.9	28.5	29.4	29.9	30.7	31.3	31.4	31.7	31.9	32.0	32.4
17.7	24.1	28.4	31.3	32.4	34.4	35.7	36.1	37.1	37.6	38.1	38.2	38.4	38.6	39.1
18.4	24.2	28.5	31.4	32.4	34.5	35.7	36.1	37.1	37.6	38.1	38.3	38.4	38.7	39.2
18.8	24.2	28.5	31.4	32.5	34.5	35.8	36.2	37.2	37.9	38.1	38.4	38.7	39.2	39.3
19.6	24.3	28.7	31.6	32.7	34.7	35.9	36.4	37.4	38.1	38.3	38.6	38.9	39.4	39.4
21.3	24.6	29.2	32.2	33.3	35.3	36.5	37.0	38.1	38.9	39.1	39.2	39.4	39.6	40.1
22.3	26.0	30.6	33.7	34.9	37.0	38.4	38.8	39.1	40.0	40.0	40.1	41.4	41.4	42.1
23.2	27.1	31.9	35.2	36.4	38.6	40.0	40.4	41.5	42.3	42.6	42.6	43.2	43.2	43.7
23.8	30.0	35.3	38.9	40.2	42.6	44.2	44.6	45.9	46.7	46.9	47.2	47.4	47.6	48.2
24.1	32.7	38.5	42.4	43.9	46.5	48.1	48.6	49.9	50.8	51.1	51.4	51.4	51.8	52.4
24.7	34.9	41.1	45.3	46.9	49.7	51.5	52.0	53.4	54.3	54.6	54.9	55.3	55.3	55.9
25.6	36.1	44.4	49.4	51.2	54.1	56.0	56.6	58.1	59.0	59.3	59.7	60.1	60.1	60.7
34.7	40.5	47.7	52.6	54.3	57.5	59.5	60.1	61.7	62.7	63.1	63.4	63.8	64.4	64.4
37.1	43.3	51.1	56.4	58.2	61.0	63.7	64.4	66.1	67.1	67.4	67.8	68.2	68.3	68.9
39.7	46.4	54.9	60.0	62.5	66.1	68.3	69.0	71.3	71.9	72.2	72.6	73.1	73.1	73.7
42.2	49.7	59.1	65.4	67.4	71.2	73.7	74.3	77.4	77.9	78.4	78.8	79.4	79.5	79.5
44.3	52.4	63.1	70.1	72.3	76.5	79.2	80.0	82.1	83.5	83.9	84.4	84.9	85.5	85.5
45.3	53.6	64.9	72.2	74.8	79.4	82.3	83.2	85.3	87.0	87.2	88.0	88.4	89.1	89.1
45.9	54.1	65.4	72.9	75.5	80.2	83.2	84.1	86.5	88.0	88.5	89.0	89.5	90.1	90.1
47.8	54.5	66.1	74.1	76.6	81.0	84.1	85.8	88.4	89.9	90.5	91.0	91.5	91.6	92.2
48.0	54.6	66.7	74.3	77.5	82.7	86.1	87.1	89.4	91.5	92.1	92.7	93.2	93.3	93.9
48.6	55.0	66.9	75.1	77.9	83.2	86.7	87.8	90.1	92.3	93.1	93.7	94.3	94.4	95.1
48.6	55.0	67.1	75.2	78.1	83.4	86.9	88.1	90.9	92.8	93.4	94.1	94.7	95.4	95.4
49.1	55.3	67.3	75.3	78.2	83.6	87.3	88.4	91.4	93.3	94.0	94.6	95.3	95.3	96.0
49.1	55.1	67.1	75.4	78.3	83.7	87.4	88.6	91.6	93.7	94.3	95.0	95.7	95.7	96.4
49.1	55.1	67.1	75.4	78.4	83.8	87.5	88.7	91.7	93.9	94.7	95.3	96.1	96.1	96.8
49.1	55.1	67.1	75.4	78.4	83.9	87.6	88.9	92.0	94.3	95.1	95.8	96.6	96.7	97.4
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.1	94.4	95.2	96.1	97.2	97.2	97.9
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75.4	78.4	83.9	87.7	88.9	92.2	94.5	95.4	96.3	97.3	97.4	98.1
49.1	55.1	67.1	75											

TOTAL NUMBER OF OBSERVATIONS

33217

USAFETAC

24

0 14 5 01 1 001

1. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$ 2. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$ 3. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$ 4. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

CEILING VERSUS VISIBILITY

62-73

42..

ALL

TOTAL NUMBER OF OBSERVATIONS

4273

USAFETA C

[illegible]

CEILING VERSUS VISIBILITY

34068

SAUL LEVY DEBARY/COLEMAN AFB

69-70

22

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

13.1	15.4	19.2	21.2	21.9	23.0	24.9	25.3	26.5	27.6	27.9	28.7	28.7	29.4
15.2	18.1	22.6	25.3	26.1	28.3	29.2	30.4	32.0	33.2	33.4	33.6	33.7	34.1
15.3	18.2	22.7	25.4	26.2	28.4	29.9	30.6	32.1	33.4	33.6	33.7	33.9	34.1
15.4	18.3	22.8	25.6	26.4	28.6	30.1	30.8	32.3	33.6	33.8	34.0	34.1	34.5
15.5	18.4	22.9	25.7	26.6	28.8	30.3	30.9	32.5	33.8	34.0	34.2	34.3	34.7
15.5	18.5	23.0	25.9	26.9	29.1	30.7	31.3	32.9	34.2	34.4	34.6	34.7	35.1
15.6	19.2	23.9	27.7	28.1	30.3	31.9	32.5	34.2	35.5	35.7	35.9	36.0	36.4
15.6	19.8	24.7	27.8	28.8	31.2	32.8	33.5	35.2	36.5	36.7	36.9	37.1	37.5
19.1	21.4	26.6	29.6	30.9	33.5	35.3	36.1	37.8	39.2	39.4	39.6	39.8	40.1
19.8	23.3	28.8	32.3	33.4	36.2	38.2	39.1	40.9	42.4	42.6	42.8	43.0	43.5
20.8	24.6	30.4	33.9	35.2	38.1	40.3	41.3	43.3	44.9	45.2	45.5	45.7	46.2
23.3	27.3	33.6	37.5	38.9	42.1	44.5	45.6	47.7	49.4	49.7	50.0	50.3	50.7
24.2	28.5	35.4	39.6	41.2	44.6	47.2	48.3	50.6	52.4	52.8	53.1	53.4	53.9
25.9	30.7	38.4	43.2	44.8	48.5	51.2	52.5	54.9	56.8	57.2	57.6	58.0	58.4
27.0	32.5	40.8	46.1	47.9	52.3	55.2	56.6	59.4	61.5	62.0	62.3	62.6	63.2
30.2	36.2	45.9	51.6	53.7	58.4	61.7	63.1	66.2	68.6	69.1	69.7	70.2	70.7
32.1	39.1	50.4	57.5	59.7	64.8	68.6	70.1	73.6	76.1	76.9	77.4	78.0	78.5
33.8	41.2	53.3	61.1	63.4	69.1	73.3	75.0	78.8	81.7	82.5	83.2	83.8	84.3
34.0	41.5	54.1	62.2	64.6	70.5	74.8	76.5	80.5	83.4	84.2	84.9	85.5	86.0
34.5	42.1	55.3	63.9	66.4	72.8	77.4	79.3	83.7	86.7	87.6	88.4	89.0	89.5
34.7	42.4	55.9	64.7	67.3	74.0	78.9	81.0	85.6	88.0	89.9	90.9	91.7	92.2
34.8	42.5	56.1	65.1	67.6	74.5	79.5	81.6	86.5	90.3	91.2	92.3	93.1	93.7
34.8	42.5	56.1	65.1	67.7	74.6	79.6	81.7	86.7	90.5	91.5	92.6	93.6	94.2
34.8	42.5	56.1	65.1	67.8	74.8	80.0	82.1	87.2	91.2	92.3	93.4	94.6	95.2
34.8	42.5	56.1	65.2	67.8	74.9	80.2	82.3	87.4	91.6	92.6	93.8	95.0	95.6
34.8	42.5	56.1	65.2	67.8	74.9	80.3	82.4	87.6	91.8	92.9	94.2	95.4	96.1
34.8	42.5	56.1	65.2	67.8	75.0	80.3	82.6	87.8	92.2	93.4	94.7	95.9	96.7
34.8	42.5	56.1	65.2	67.9	75.0	80.4	82.6	87.9	92.2	93.4	94.7	96.0	96.7
34.8	42.5	56.1	65.2	67.9	75.0	80.4	82.7	87.9	92.3	93.5	94.9	96.4	97.7
34.8	42.5	56.1	65.2	67.9	75.0	80.4	82.7	87.9	92.3	93.6	95.0	96.5	98.3
34.8	42.5	56.1	65.2	67.9	75.0	80.4	82.7	87.9	92.4	93.6	95.1	96.7	98.1
34.8	42.5	56.1	65.2	67.9	75.0	80.4	82.7	87.9	92.4	93.6	95.1	96.7	98.1

TOTAL NUMBER OF OBSERVATIONS

3913

5

62-7.

- 2 -

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4551

2000

014501-101, 102, 103, 104, 105, 106, 107, 108, 109, 110

CEILING VERSUS VISIBILITY

493

ALL

4495

0 14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34068

SAND-DEEN GERMANY/COLEMAN AAF

60-70

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

		25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
IV	1000	24.4	27.7	31.3	32.7	33.4	34.2	34.6	34.7	35.2	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
IV	900	30.7	34.6	38.7	40.4	41.2	42.2	42.7	42.9	43.4	43.5	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IV	800	30.7	34.6	38.8	40.6	41.4	42.4	42.9	43.0	43.6	43.7	43.7	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
IV	700	31.0	34.9	39.0	40.8	41.6	42.6	43.1	43.3	43.8	43.9	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV	600	31.8	35.9	40.1	41.9	42.7	43.6	44.3	44.4	45.0	45.1	45.1	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV	500	33.3	37.7	42.0	44.0	44.8	45.9	46.5	46.6	47.2	47.3	47.3	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV	400	34.6	39.2	43.8	45.9	46.8	47.9	48.5	48.7	49.3	49.4	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV	300	38.7	44.1	49.0	51.2	52.1	53.4	54.1	54.2	54.9	55.1	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV	200	42.2	48.2	53.6	56.0	57.1	58.5	59.3	59.4	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV	100	44.4	50.7	56.3	58.9	60.0	61.7	62.6	62.8	63.5	63.7	63.7	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV	0	47.6	54.2	60.6	63.5	64.8	66.7	67.5	67.8	68.5	68.8	68.8	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV	1000	50.4	57.7	64.5	67.7	69.0	71.0	71.9	72.1	73.0	73.2	73.2	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV	900	54.6	62.2	69.5	73.0	74.4	76.5	77.4	77.7	78.6	78.8	78.8	78.9	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV	800	58.3	66.8	74.9	79.0	80.6	82.9	83.8	84.1	85.2	85.5	85.5	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV	700	61.9	71.1	80.0	84.6	86.3	88.7	89.7	89.9	91.1	91.4	91.4	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV	600	63.4	72.9	82.7	87.6	89.3	91.9	93.0	93.3	94.6	95.0	95.0	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV	500	64.1	73.8	83.5	88.9	90.6	93.2	94.3	94.7	96.0	96.4	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV	400	64.2	74.0	84.0	89.3	91.0	93.7	94.8	95.1	96.5	96.8	96.8	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV	300	64.4	74.4	84.6	89.9	91.6	94.5	95.7	96.1	97.4	97.8	97.8	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV	200	64.6	74.6	85.0	90.3	92.1	95.0	96.2	96.6	97.9	98.3	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV	100	64.7	74.7	85.2	90.5	92.3	95.2	96.5	96.8	98.2	98.6	98.6	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV	0	64.7	74.7	85.2	90.6	92.4	95.3	96.6	96.9	98.3	98.7	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV	1000	64.7	74.7	85.2	90.7	92.4	95.4	96.6	97.0	98.4	98.8	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV	900	64.7	74.8	85.4	90.8	92.6	95.5	96.8	97.1	98.5	98.9	99.0	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV	800	64.7	74.8	85.4	90.8	92.6	95.5	96.8	97.2	98.6	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV	700	64.7	74.8	85.4	90.8	92.7	95.6	96.9	97.2	98.7	99.1	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV	600	64.7	74.8	85.4	90.8	92.7	95.6	96.9	97.2	98.7	99.1	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV	500	64.7	74.8	85.4	90.8	92.7	95.6	96.9	97.2	98.8	99.2	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV	400	64.7	74.8	85.4	90.8	92.7	95.6	96.9	97.2	98.8	99.2	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV	300	64.7	74.8	85.4	90.8	92.7	95.6	96.9	97.2	98.8	99.2	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV	200	64.7	74.8	85.4	90.8	92.7	95.6	96.9	97.2	98.8	99.2	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV	100	64.7	74.8	85.4	90.8	92.7	95.6	96.9	97.2	98.8	99.2	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV	0	64.7	74.8	85.4	90.8	92.7	95.6	96.9	97.2	98.8	99.2	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

4367

CEILING VERSUS VISIBILITY

60-72

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[illegible]

TOTAL NUMBER OF OBSERVATIONS 4316

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34068 SA D-LFE GERMANY/COLEMAN AAF 60-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

444

444

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	26.2	29.9	33.4	35.4	36.1	37.6	38.2	38.6	39.1	39.2	39.3	39.4	39.5	39.5	39.7	
≥ 2000	30.4	34.7	38.9	41.2	42.1	43.7	44.5	44.8	45.5	45.7	45.8	46.0	46.1	46.1	46.2	
≥ 1800	30.4	34.8	38.9	41.3	42.1	43.7	44.6	44.9	45.5	45.8	45.9	46.0	46.1	46.1	46.3	
≥ 1600	30.4	34.8	38.9	41.3	42.2	43.8	44.6	44.9	45.6	45.8	45.9	46.1	46.2	46.2	46.4	
≥ 1400	30.6	35.0	39.1	41.5	42.4	44.0	44.9	45.2	45.8	46.1	46.1	46.3	46.4	46.4	46.6	
≥ 1200	31.1	35.5	39.7	42.1	43.0	44.6	45.5	45.8	46.4	46.7	46.8	46.9	47.0	47.0	47.2	
≥ 1000	32.8	37.3	41.6	44.2	45.2	46.9	47.8	48.1	48.8	49.0	49.1	49.3	49.4	49.4	49.6	
≥ 800	34.2	38.8	43.3	46.1	47.0	48.9	49.8	50.1	50.8	51.1	51.2	51.4	51.5	51.5	51.7	
≥ 600	38.8	44.1	49.1	52.2	53.3	55.5	56.5	56.8	57.6	57.9	58.0	58.2	58.3	58.3	58.5	
≥ 400	43.4	49.2	55.0	58.3	59.6	61.9	63.1	63.5	64.3	64.6	64.7	64.9	65.0	65.0	65.2	
≥ 200	46.7	52.7	58.9	62.7	64.1	66.5	67.7	68.1	69.0	69.3	69.3	69.7	69.8	69.8	70.0	
≥ 100	51.2	57.7	64.3	68.5	70.0	72.7	73.9	74.3	75.3	75.6	75.8	76.0	76.1	76.1	76.3	
≥ 50	53.9	60.9	68.0	72.4	74.0	76.7	78.0	78.5	79.5	79.8	80.0	80.2	80.3	80.3	80.5	
≥ 25	57.3	64.6	72.0	76.7	78.3	81.1	82.5	83.0	84.0	84.4	84.5	84.7	84.8	84.8	85.0	
≥ 12.5	61.2	68.8	76.5	81.4	83.1	86.0	87.4	87.8	88.9	89.3	89.4	89.6	89.7	89.7	89.9	
≥ 6.25	64.3	72.2	80.1	85.1	87.0	89.9	91.4	91.8	92.9	93.3	93.4	93.6	93.8	93.8	94.0	
≥ 3.125	65.2	73.6	81.9	87.3	89.4	92.4	93.8	94.3	95.4	95.8	96.0	96.2	96.3	96.3	96.5	
≥ 1.5625	66.0	74.6	83.0	88.7	90.5	93.8	95.3	95.8	97.0	97.4	97.6	97.8	97.9	97.9	98.1	
≥ .78125	66.3	74.9	83.4	89.1	91.2	94.3	95.8	96.3	97.5	97.9	98.1	98.3	98.4	98.4	98.6	
≥ .390625	66.3	75.1	83.9	89.7	91.9	95.1	96.6	97.1	98.3	98.8	99.0	99.2	99.3	99.3	99.5	
≥ .1953125	66.4	75.2	84.0	89.8	92.0	95.2	96.7	97.2	98.5	98.9	99.1	99.3	99.5	99.5	99.7	
≥ .09765625	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .048828125	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .0244140625	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .01220703125	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .006103515625	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .0030517578125	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .00152587890625	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .000762939453125	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .0003814697265625	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .00019073486328125	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .000095367431640625	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .0000476837158203125	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .00002384185791015625	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .000011920928955078125	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .0000059604644775390625	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .00000298023223876953125	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .000001490116119384765625	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .0000007450580596923828125	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .00000037252902984619140625	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .000000186264514923095703125	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .0000000931322574615478515625	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .00000004656612873077392578125	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .000000023283064365386962890625	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .0000000116415321826934814453125	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .00000000582076609134674072265625	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .000000002910383045673370361328125	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .0000000014551915228366851806640625	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .00000000072759576141834259033203125	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .000000000363797880709171295166015625	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .0000000001818989403545856475830078125	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .00000000009094947017729282379150390625	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .000000000045474735088646411895751953125	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .0000000000227373675443232059478759765625	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .00000000001136868377216160297393798828125	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .000000000005684341886080801486968994140625	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .0000000000028421709430404007434844970703125	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .00000000000142108547152020037174224853515625	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .000000000000710542735760100185871124267578125	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .0000000000003552713678800500929355621337890625	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .00000000000017763568394002500464778106689453125	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .0000000000000888178419700125000580972386365625	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .000000000000044408920985006250002904861931828125	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .000000000000022204460492500312500014524309659140625	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .0000000000000111022302462500078125000036310774	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .000000000000005551115123125000390625000072621548295703125	66.4	75.2	84.0	89.8	92.0	95.2	96.8	97.3	98.6	99.0	99.2	99.5	99.6	99.6	99.8	
≥ .00000000000000277555756156250001953125000036310774	66.4															

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34068

SANDROPER GERMANY/CWLEMAN AAF

59-70

A-1

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ .01
NO CEILING	23.6	26.5	30.6	33.4	34.4	36.2	37.0	37.3	37.8	37.9	37.9	38.1	38.1	38.1	38.2	38.2
≥ 10000	23.6	33.3	38.4	41.8	42.9	45.0	46.1	46.4	47.1	47.2	47.4	47.5	47.5	47.5	47.7	47.8
≥ 8000	29.7	33.4	38.5	41.9	43.0	45.1	46.2	46.5	47.2	47.4	47.5	47.6	47.6	47.8	47.8	47.9
≥ 6000	29.8	33.5	38.6	42.2	43.2	45.2	46.3	46.7	47.3	47.5	47.6	47.8	47.9	47.9	48.0	48.0
≥ 4000	29.8	33.6	38.8	42.2	43.3	45.4	46.5	46.8	47.5	47.7	47.8	47.9	48.1	48.1	48.2	48.2
≥ 2000	30.8	34.6	39.8	43.2	44.3	46.5	47.6	47.9	48.6	48.8	48.9	49.0	49.2	49.2	49.2	49.2
≥ 1000	33.0	36.6	42.2	45.9	47.1	49.3	50.4	50.9	51.6	51.8	51.9	52.1	52.2	52.2	52.4	52.4
≥ 8000	34.4	38.5	44.2	48.0	49.3	51.5	52.7	53.2	54.0	54.2	54.3	54.4	54.6	54.6	54.7	54.7
≥ 6000	39.1	44.0	50.1	54.4	55.8	58.1	59.6	60.0	61.0	61.3	61.4	61.7	61.8	61.8	62.0	62.0
≥ 4000	43.1	48.2	54.7	59.3	60.8	63.3	65.1	65.6	66.6	66.9	67.0	67.2	67.4	67.4	67.6	67.6
≥ 2000	45.8	51.3	58.1	63.0	64.6	67.2	69.2	69.7	70.7	71.1	71.2	71.4	71.6	71.6	71.7	71.7
≥ 1000	49.1	55.1	62.1	67.3	69.0	71.9	74.0	74.5	75.6	76.0	76.1	76.4	76.6	76.6	76.7	76.7
≥ 8000	52.3	58.6	66.1	71.3	73.1	76.0	78.1	78.6	79.8	80.2	80.3	80.6	80.7	80.7	80.9	80.9
≥ 6000	55.2	61.9	69.7	75.4	77.2	80.2	82.4	82.9	84.2	84.7	84.8	85.0	85.2	85.2	85.3	85.3
≥ 4000	58.2	65.3	73.5	79.3	81.2	84.4	86.6	87.1	88.3	88.9	89.0	89.3	89.4	89.4	89.6	89.6
≥ 2000	60.6	67.9	76.6	82.6	84.6	87.8	90.1	90.6	92.0	92.5	92.6	92.9	93.1	93.1	93.2	93.2
≥ 1800	62.1	69.9	79.2	85.6	87.8	91.2	93.5	94.0	95.5	96.0	96.2	96.4	96.6	96.6	96.8	96.8
≥ 1600	62.5	70.4	79.9	86.4	88.7	92.1	94.6	95.1	96.6	97.2	97.3	97.6	97.8	97.8	98.0	98.0
≥ 1400	62.6	70.6	80.1	86.7	89.1	92.5	95.0	95.5	97.1	97.7	97.9	98.2	98.4	98.4	98.6	98.6
≥ 1200	62.6	70.6	80.2	86.9	89.3	92.8	95.4	96.0	97.5	98.2	98.4	98.7	98.9	98.9	99.0	99.0
≥ 1000	62.6	70.7	80.3	87.1	89.5	93.0	95.5	96.2	97.7	98.4	98.6	98.9	99.1	99.1	99.3	99.3
≥ 900	62.7	70.7	80.4	87.1	89.5	93.1	95.6	96.2	97.8	98.5	98.7	99.0	99.2	99.2	99.4	99.4
≥ 800	62.7	70.7	80.4	87.2	89.6	93.2	95.7	96.4	98.0	98.7	98.9	99.1	99.3	99.3	99.5	99.5
≥ 700	62.7	70.7	80.4	87.2	89.6	93.2	95.8	96.4	98.1	98.8	98.9	99.2	99.4	99.4	99.6	99.6
≥ 600	62.7	70.7	80.4	87.2	89.6	93.2	95.8	96.4	98.1	98.8	98.9	99.2	99.4	99.4	99.6	99.6
≥ 500	62.7	70.7	80.4	87.2	89.6	93.3	95.8	96.4	98.1	98.8	98.9	99.2	99.4	99.4	99.6	99.6
≥ 400	62.7	70.7	80.4	87.2	89.6	93.3	95.8	96.4	98.1	98.8	98.9	99.2	99.4	99.4	99.6	99.6
≥ 300	62.7	70.7	80.4	87.2	89.6	93.3	95.8	96.4	98.1	98.8	98.9	99.2	99.4	99.4	99.6	99.6
≥ 200	62.7	70.7	80.4	87.2	89.6	93.3	95.8	96.4	98.1	98.8	98.9	99.2	99.4	99.4	99.6	99.6
≥ 100	62.7	70.7	80.4	87.2	89.6	93.3	95.8	96.4	98.1	98.8	98.9	99.2	99.4	99.4	99.6	99.6
≥ 0	62.7	70.7	80.4	87.2	89.6	93.3	95.8	96.4	98.1	98.8	98.9	99.2	99.4	99.4	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 4926

USAFETAC

FORM
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

3406A

SA DUELEN GERMANY/CLETA AAF

59-75

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY (MILES)															
	1/8	1/4	1/2	3/4	1	2	3	4	5	6	7	8	9	10	11	12
10000	24.6	28.7	32.7	36.1	37.4	39.8	41.4	41.8	43.4	44.1	44.4	44.8	45.3	45.4	46.9	
9000	28.1	32.7	37.5	41.5	42.1	43.8	47.7	48.1	49.8	50.6	50.9	51.4	52.1	52.2	53.9	
8000	28.1	32.8	37.6	41.5	43.1	45.8	47.8	48.2	49.9	50.7	51.7	51.5	52.1	52.2	53.9	
7000	28.2	32.8	37.7	41.6	43.2	45.9	47.8	48.2	50.0	50.8	51.1	51.6	52.2	52.3	54.2	
6000	28.3	33.0	37.8	41.6	43.4	46.1	48.0	48.5	50.2	51.0	51.3	51.8	52.4	52.5	54.2	
5000	28.5	33.3	38.2	42.2	43.8	46.6	48.5	49.0	50.6	51.4	51.8	52.3	53.0	53.1	54.8	
4000	31.2	35.3	40.6	44.7	45.5	49.3	51.4	51.9	53.6	54.4	54.8	55.2	55.9	56.0	57.7	
3000	31.8	37.1	42.7	47.2	49.0	51.8	54.0	54.5	56.4	57.2	57.6	58.1	58.8	58.9	60.6	
2000	34.3	40.1	46.2	51.1	53.0	56.1	58.5	59.0	61.0	61.9	62.3	62.8	63.6	63.7	65.4	
1000	36.5	42.7	49.6	54.9	57.0	60.2	62.9	63.4	65.6	66.5	66.9	67.5	68.3	68.4	70.1	
800	38.4	44.9	52.3	58.1	60.3	63.8	66.6	67.1	69.3	70.2	70.7	71.3	72.1	72.2	74.0	
700	40.8	47.6	55.6	61.6	63.9	67.6	70.5	71.1	73.4	74.4	74.8	75.4	76.3	76.4	78.2	
600	42.9	49.9	58.4	64.6	67.0	70.8	73.8	74.4	76.8	77.7	78.2	78.8	79.6	79.7	81.6	
500	44.6	51.8	60.5	67.0	69.4	73.4	76.5	77.1	79.5	80.4	80.9	81.5	82.3	82.4	84.3	
400	46.9	54.2	63.3	70.0	72.4	76.5	79.6	80.3	82.7	83.6	84.1	84.7	85.5	85.6	87.5	
300	48.1	55.8	65.3	72.5	75.0	79.3	82.5	83.2	85.9	86.8	87.3	87.9	88.8	88.9	90.8	
200	49.0	57.0	67.0	74.5	77.2	81.7	85.1	85.9	88.6	89.7	90.3	90.9	91.8	91.9	93.8	
100	49.3	57.4	67.5	75.2	77.8	82.5	86.0	86.8	89.7	90.8	91.4	92.0	92.9	93.0	94.9	
800	49.4	57.5	67.7	75.4	78.1	82.8	86.3	87.1	90.0	91.1	91.7	92.3	93.3	93.4	95.3	
700	49.5	57.6	67.8	75.6	78.4	83.3	86.9	87.8	90.8	91.9	92.7	93.3	94.2	94.3	96.2	
600	49.5	57.7	68.1	76.1	78.9	83.9	87.7	88.6	91.6	92.8	93.6	94.2	95.1	95.2	97.2	
500	49.5	57.7	68.1	76.2	79.1	84.1	88.1	89.0	92.1	93.3	94.1	94.7	95.7	95.8	97.7	
400	49.5	57.7	68.1	76.2	79.1	84.2	88.1	89.1	92.2	93.5	94.2	94.9	95.8	95.9	97.9	
300	49.5	57.7	68.1	76.2	79.1	84.2	88.2	89.1	92.3	93.6	94.3	95.0	95.9	96.0	98.0	
200	49.5	57.7	68.1	76.2	79.2	84.2	88.3	89.2	92.4	93.7	94.4	95.1	96.1	96.2	98.2	
100	49.5	57.7	68.1	76.2	79.2	84.2	88.3	89.3	92.5	93.8	94.5	95.2	96.2	96.3	98.3	
800	49.5	57.7	68.1	76.2	79.2	84.2	88.3	89.3	92.6	93.9	94.7	95.3	96.4	96.5	98.6	
700	49.5	57.7	68.1	76.2	79.2	84.2	88.3	89.3	92.6	93.9	94.7	95.4	96.6	96.7	98.7	
600	49.5	57.7	68.1	76.2	79.2	84.2	88.3	89.3	92.6	93.9	94.7	95.4	96.6	96.7	98.7	
500	49.5	57.7	68.1	76.2	79.2	84.2	88.3	89.3	92.6	93.9	94.7	95.4	96.6	96.7	98.7	
400	49.5	57.7	68.1	76.2	79.2	84.2	88.3	89.3	92.6	93.9	94.7	95.4	96.6	96.7	98.7	
300	49.5	57.7	68.1	76.2	79.2	84.2	88.3	89.3	92.6	93.9	94.7	95.4	96.6	96.7	98.7	
200	49.5	57.7	68.1	76.2	79.2	84.2	88.3	89.3	92.6	93.9	94.7	95.4	96.6	96.7	98.7	
100	49.5	57.7	68.1	76.2	79.2	84.2	88.3	89.3	92.6	93.9	94.7	95.4	96.6	96.7	98.7	
0	49.5	57.7	68.1	76.2	79.2	84.2	88.3	89.3	92.6	93.9	94.7	95.4	96.6	96.7	100.0	

TOTAL NUMBER OF OBSERVATIONS

4840

USAFETAC

FORM
JUL 64

0-14 5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34000

SANDHOF GERMANY/COLEMAN AAF

59-70

JCI

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY, STATUTE MILES															
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0
NO CEILING	11.9	15.1	19.3	22.6	24.1	26.4	28.1	28.6	29.9	31.4	31.9	32.6	33.5	33.6	34.6	
≥ 20000	14.1	17.2	22.3	26.4	28.1	30.7	32.8	33.5	35.4	37.1	37.8	38.5	39.5	39.7	41.1	
≥ 18000	14.1	17.5	22.3	26.4	28.1	30.6	32.9	33.5	35.4	37.1	37.8	38.5	39.6	39.7	41.1	
≥ 16000	14.1	17.5	22.4	26.4	28.1	30.8	32.9	33.5	35.4	37.2	37.8	38.5	39.6	39.7	41.2	
≥ 14000	14.3	17.7	22.7	26.7	28.4	31.1	33.2	33.9	35.8	37.5	38.2	38.9	39.9	40.1	41.5	
≥ 12000	14.5	17.9	23.0	27.1	28.8	31.6	33.7	34.3	36.2	38.0	38.6	39.3	40.4	40.5	42.0	
≥ 10000	15.0	18.6	23.8	28.2	29.9	32.7	34.9	35.5	37.5	39.3	40.0	40.7	41.8	41.9	43.4	
≥ 9000	15.6	19.4	25.0	29.9	31.4	34.3	36.5	37.2	39.3	41.1	41.8	42.5	43.6	43.7	45.2	
≥ 8000	17.5	21.4	27.7	32.6	34.5	37.6	39.9	40.6	42.8	44.7	45.5	46.2	47.3	47.4	49.0	
≥ 7000	19.1	23.3	30.0	35.2	37.2	40.5	43.0	43.7	46.0	48.0	48.7	49.4	50.5	50.6	52.2	
≥ 6000	20.7	25.2	32.2	37.8	39.9	43.5	46.1	46.9	49.3	51.4	52.1	52.9	54.0	54.1	55.7	
≥ 5000	22.1	27.1	34.8	40.7	42.9	46.9	49.7	50.5	53.1	55.4	56.1	56.9	58.0	58.1	59.7	
≥ 4000	23.5	28.7	36.7	42.6	45.1	49.3	52.3	53.1	55.7	58.0	58.4	59.6	60.7	60.8	62.4	
≥ 3000	25.2	30.7	39.6	46.1	48.2	52.9	55.9	56.7	59.4	61.8	62.6	63.4	64.6	64.7	66.2	
≥ 2000	27.1	33.2	42.7	49.5	52.0	56.5	59.6	60.5	63.3	65.7	66.6	67.4	68.6	68.7	70.2	
≥ 1800	29.1	35.9	46.5	53.6	56.2	61.0	64.3	65.2	68.0	70.6	71.5	72.4	73.5	73.6	75.2	
≥ 1600	30.6	37.8	49.7	57.6	60.4	65.5	69.1	70.0	73.1	75.9	76.8	77.7	78.9	79.0	80.5	
≥ 1400	31.0	38.7	51.0	59.2	62.3	67.8	71.7	72.7	76.1	79.0	80.0	80.9	82.0	82.1	83.7	
≥ 1200	31.2	39.0	51.4	60.0	63.0	68.5	72.5	73.5	76.9	79.8	80.8	81.7	82.9	83.0	84.6	
≥ 1000	31.2	39.2	51.8	60.5	63.6	69.0	73.7	74.8	78.4	81.3	82.3	83.4	84.5	84.6	86.2	
≥ 900	31.4	39.5	52.2	61.2	64.5	70.0	74.8	76.0	79.8	82.8	83.9	84.9	86.1	86.2	87.8	
≥ 800	31.4	39.5	52.3	61.5	64.7	70.7	75.2	76.5	80.4	83.6	84.7	85.8	87.0	87.1	88.7	
≥ 700	31.4	39.5	52.4	61.6	64.8	70.8	75.4	76.7	80.6	83.9	85.0	86.1	87.3	87.4	89.0	
≥ 600	31.4	39.6	52.5	61.8	65.1	71.2	75.8	77.0	81.0	84.4	85.5	86.6	87.8	87.9	89.5	
≥ 500	31.5	39.7	52.6	61.9	65.2	71.3	76.0	77.3	81.3	84.8	86.0	87.0	88.3	88.4	90.0	
≥ 400	31.5	39.8	52.7	62.0	65.3	71.5	76.2	77.5	81.6	85.2	86.4	87.5	88.8	89.0	90.6	
≥ 300	31.5	39.8	52.8	62.1	65.4	71.6	76.5	77.9	82.1	86.1	87.4	88.6	90.1	90.3	91.9	
≥ 200	31.5	39.9	52.9	62.2	65.5	71.7	76.6	78.1	82.5	86.6	88.1	89.4	91.1	91.3	93.2	
≥ 100	31.5	39.9	52.9	62.2	65.6	71.8	76.6	78.1	82.7	87.1	88.7	90.2	92.5	92.7	95.5	
≥ 0	31.5	39.9	52.9	62.2	65.6	71.8	76.7	78.2	82.9	87.3	89.0	90.4	92.8	93.6	99.1	
	31.5	39.9	52.9	62.2	65.6	71.8	76.7	78.2	83.0	87.4	89.1	90.5	92.9	93.7	100.0	

TOTAL NUMBER OF OBSERVATIONS

4749

USAFETAC

FORM
JUL 64

0-14.5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34002

SANDHOFEN GERMANY/COLEMAN AAF

59-72

CEV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

464

CEILING FEET	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100
INFINITY	4.3	9.8	11.8	13.5	14.2	15.4	16.3	16.7	17.6	18.2	18.4	18.7	19.1	19.1	19.1	20.1					
IN 1000	10.1	12.0	14.5	17.2	17.9	19.8	21.0	21.5	22.8	23.7	23.9	24.2	24.7	24.8	25.9						
IN 900	10.1	12.0	14.5	17.2	17.9	19.8	21.0	21.5	22.8	23.7	23.9	24.2	24.7	24.8	25.9						
IN 800	10.1	12.0	14.5	17.2	17.9	19.8	21.0	21.5	22.8	23.7	23.9	24.2	24.7	24.8	25.9						
IN 700	10.1	12.1	14.6	17.2	18.0	20.0	21.2	21.6	23.0	23.9	24.1	24.4	24.9	25.0	26.2						
IN 600	10.4	12.5	15.0	17.7	18.5	20.6	21.8	22.2	23.6	24.5	24.8	25.1	25.7	25.8	26.9						
IN 500	11.0	13.3	16.0	18.7	19.7	21.9	23.2	23.7	25.2	26.1	26.4	26.8	27.4	27.5	28.7						
IN 400	12.1	14.5	17.5	20.5	21.5	23.8	25.2	25.7	27.2	28.1	28.5	28.8	29.4	29.5	30.7						
IN 300	13.7	16.5	19.7	23.2	24.4	26.9	28.4	28.8	30.4	31.4	31.7	32.1	32.7	32.8	34.0						
IN 200	14.8	17.8	21.5	25.3	26.6	29.3	30.8	31.3	33.1	34.1	34.5	34.9	35.6	35.6	36.9						
IN 100	16.2	19.6	23.6	28.0	29.5	32.6	34.3	34.9	36.8	38.0	38.4	38.8	39.6	39.7	40.9						
IN 0	18.4	22.1	26.7	31.5	33.2	36.2	38.5	39.1	41.2	42.6	43.1	43.6	44.4	44.5	45.7						
IN 1000	20.0	24.2	29.5	34.5	36.3	39.7	41.8	42.8	44.7	46.1	46.6	47.1	47.9	48.0	49.3						
IN 900	21.7	26.3	32.3	37.8	39.6	43.3	45.5	46.2	48.5	50.1	50.6	51.1	51.9	52.0	53.3						
IN 800	23.9	28.9	35.6	41.2	43.4	47.4	49.9	50.6	53.0	54.6	55.2	55.7	56.6	56.7	58.0						
IN 700	27.2	32.0	40.6	47.8	49.6	54.0	56.8	57.7	60.3	62.0	62.6	63.2	64.1	64.2	65.5						
IN 600	29.6	36.3	45.8	53.1	56.0	61.2	64.4	65.4	68.3	70.0	70.7	71.3	72.2	72.3	73.7						
IN 500	31.3	38.5	48.7	56.6	59.7	65.7	69.2	70.2	73.2	75.1	75.8	76.4	77.3	77.4	78.8						
IN 400	31.6	39.1	49.5	57.8	60.9	67.0	70.6	71.5	74.6	76.6	77.3	77.9	78.8	78.9	80.3						
IN 300	32.0	39.8	50.5	59.5	63.1	69.6	73.6	74.7	77.8	79.8	80.7	81.3	82.3	82.4	83.7						
IN 200	32.5	40.4	51.8	61.0	64.8	71.9	75.9	77.0	80.3	82.5	83.5	84.2	85.2	85.3	86.7						
IN 100	32.5	40.5	52.0	61.5	65.4	72.8	77.0	78.2	81.7	84.1	85.1	85.8	87.1	87.2	88.6						
IN 0	32.6	40.6	52.1	61.7	65.7	73.2	77.4	78.7	82.4	85.0	86.0	86.8	88.1	88.2	89.6						
IN 1000	32.6	40.6	52.2	61.8	65.9	73.6	77.9	79.4	83.3	86.2	87.2	88.0	89.3	89.5	91.0						
IN 900	32.6	40.6	52.2	61.9	66.0	73.8	78.3	79.7	83.7	86.9	87.9	88.8	90.2	90.3	91.7						
IN 800	32.6	40.7	52.2	61.9	66.0	73.8	78.5	80.0	84.1	87.4	88.5	89.6	91.2	91.3	92.7						
IN 700	32.6	40.7	52.2	61.9	66.0	73.9	78.6	80.1	84.4	87.8	89.2	90.4	92.2	92.3	93.8						
IN 600	32.6	40.7	52.2	62.0	66.1	73.9	78.7	80.3	84.6	88.2	89.9	91.4	94.0	94.1	95.6						
IN 500	32.6	40.7	52.2	62.0	66.1	73.9	78.7	80.3	84.6	88.2	89.9	91.4	94.0	94.1	95.6						
IN 400	32.6	40.7	52.2	62.0	66.1	73.9	78.7	80.3	84.6	88.2	89.9	91.4	94.0	94.1	95.6						
IN 300	32.6	40.7	52.2	62.0	66.1	73.9	78.7	80.3	84.6	88.2	89.9	91.4	94.0	94.1	95.6						
IN 200	32.6	40.7	52.2	62.0	66.1	73.9	78.7	80.3	84.6	88.2	89.9	91.4	94.0	94.1	95.6						
IN 100	32.6	40.7	52.2	62.0	66.1	73.9	78.7	80.3	84.6	88.2	89.9	91.4	94.0	94.1	95.6						
IN 0	32.6	40.7	52.2	62.0	66.1	73.9	78.7	80.3	84.6	88.2	89.9	91.4	94.0	94.1	95.6						

TOTAL NUMBER OF OBSERVATIONS

4534

USAFETAC

FORM
AR 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34063

SA L-WEF: GERMANY/COLEMAN AAF

59-73

REC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	5.4	7.0	11.0	13.1	13.7	15.3	16.2	16.5	16.9	17.4	17.4	17.9	18.2	18.2	18.4	
≥20000	6.5	9.0	13.2	15.7	15.3	18.3	19.3	19.7	20.1	20.7	20.9	21.2	21.7	21.7	22.2	
IV 18000	5.5	9.0	13.2	15.7	16.3	18.4	19.3	19.7	20.1	20.7	20.9	21.2	21.7	21.7	22.2	
IV 16000	6.5	9.0	13.3	15.9	16.4	18.4	19.3	19.7	20.2	20.8	20.9	21.3	21.7	21.9	22.2	
IV 14000	6.5	9.1	13.4	15.9	16.5	18.6	19.5	19.9	20.3	21.0	21.1	21.5	21.9	21.9	22.4	
IV 12000	6.8	9.4	13.8	16.3	17.0	19.1	20.0	20.4	20.8	21.4	21.6	21.9	22.4	22.4	22.9	
IV 10000	7.2	9.9	14.4	17.3	18.0	20.1	21.1	21.5	22.0	22.6	22.8	23.1	23.6	23.6	24.1	
IV 8000	7.7	10.5	15.1	18.2	18.9	21.1	22.0	22.5	22.9	23.6	23.8	24.2	24.7	24.7	25.2	
IV 6000	8.1	11.0	15.9	19.4	20.2	22.5	23.7	24.2	24.7	25.4	25.6	26.0	26.5	26.5	27.0	
IV 4000	8.9	12.2	17.6	21.7	22.5	25.3	26.6	27.2	27.7	28.4	28.6	29.0	29.6	29.6	30.1	
IV 3000	10.2	14.0	19.6	24.1	25.1	28.0	29.4	30.2	30.8	31.5	31.7	32.1	32.7	32.7	33.2	
IV 2000	12.2	16.9	23.1	27.8	29.0	32.1	33.5	34.4	35.1	35.9	36.1	36.5	37.1	37.1	37.6	
IV 1800	13.6	18.7	25.3	30.3	31.5	34.9	36.5	37.4	38.2	39.0	39.2	39.7	40.2	40.3	40.8	
IV 1600	15.6	21.4	28.8	34.2	35.4	39.1	40.9	41.8	42.8	43.7	43.9	44.3	44.9	45.0	45.5	
IV 1400	17.1	23.2	31.5	37.5	38.8	42.7	44.6	45.5	46.7	47.7	47.9	48.4	49.0	49.0	49.5	
IV 1200	19.2	26.1	35.6	42.3	43.7	48.1	50.3	51.4	52.6	53.7	53.9	54.4	55.0	55.0	55.6	
IV 1000	21.5	29.5	41.0	48.7	50.5	56.0	58.7	59.8	61.7	63.0	63.3	63.9	64.6	64.6	65.2	
IV 800	23.6	32.6	45.3	54.0	56.1	62.4	65.8	67.3	69.7	71.4	71.8	72.6	73.2	73.2	73.8	
IV 600	24.2	33.4	46.4	55.5	57.7	64.3	67.8	69.4	71.9	73.6	74.1	74.7	75.4	75.5	76.0	
IV 400	24.8	34.7	48.6	58.2	60.8	68.0	72.0	73.8	76.6	78.3	79.0	79.8	80.5	80.6	81.1	
IV 300	25.4	35.8	50.4	60.6	63.5	71.0	75.4	77.3	80.6	82.8	83.5	84.3	85.1	85.1	85.7	
IV 200	25.8	36.5	51.4	61.9	65.1	73.2	77.9	80.2	83.9	86.3	87.3	88.6	89.3	89.4	90.0	
IV 100	25.9	36.7	51.8	62.4	65.7	73.9	78.7	81.0	84.8	87.2	88.3	89.4	90.3	90.3	90.9	
IV 0	25.9	36.8	52.1	63.0	66.3	74.7	79.8	82.3	86.1	88.7	89.8	91.1	92.1	92.1	92.7	
IV 1800	25.9	36.9	52.3	63.3	66.6	75.0	80.2	82.7	86.7	89.4	90.6	91.9	93.0	93.0	93.6	
IV 1600	25.9	36.9	52.3	63.3	66.6	75.2	80.5	83.1	87.3	90.1	91.5	92.8	93.9	93.9	94.6	
IV 1400	25.9	36.9	52.3	63.3	66.6	75.3	80.7	83.3	87.7	90.7	92.3	93.7	94.9	94.9	95.4	
IV 1200	25.9	36.9	52.3	63.3	66.6	75.3	80.7	83.4	87.8	91.0	92.6	94.0	95.5	95.5	96.4	
IV 1000	25.9	36.9	52.3	63.3	66.6	75.3	80.7	83.4	87.9	91.2	92.8	94.5	96.2	96.2	97.1	
IV 800	25.9	36.9	52.3	63.3	66.6	75.3	80.7	83.4	87.9	91.2	92.8	94.5	96.5	96.5	97.5	
IV 600	25.9	36.9	52.3	63.3	66.6	75.3	80.7	83.4	87.9	91.2	92.8	94.5	96.8	96.8	98.7	
IV 400	25.9	36.9	52.3	63.3	66.6	75.3	80.7	83.4	87.9	91.2	92.8	94.5	96.8	96.8	100.0	

TOTAL NUMBER OF OBSERVATIONS

4545

USAFETAC

FORM
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34065 SAND-LEFEL GERMANY/COLEMAN AAF

04

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	20	21	22	23	24	25	26	27	28	29	30	31
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS 1

CEILING VERSUS VISIBILITY

— — —

3000.

[illegible]

41

4 784
11 78 4

0-14.5 (OL 1) pp. 1-67; 1985-1986 (OL 2) pp. 68-134; 1987-1988 (OL 3) pp. 135-201; 1989-1990 (OL 4) pp. 202-268; 1991-1992 (OL 5) pp. 269-335; 1993-1994 (OL 6) pp. 336-402; 1995-1996 (OL 7) pp. 403-469; 1997-1998 (OL 8) pp. 470-536; 1999-2000 (OL 9) pp. 537-603; 2001-2002 (OL 10) pp. 604-670; 2003-2004 (OL 11) pp. 671-737; 2005-2006 (OL 12) pp. 738-804; 2007-2008 (OL 13) pp. 805-871; 2009-2010 (OL 14) pp. 872-938; 2011-2012 (OL 15) pp. 939-1005; 2013-2014 (OL 16) pp. 1006-1072; 2015-2016 (OL 17) pp. 1073-1139; 2017-2018 (OL 18) pp. 1140-1206; 2019-2020 (OL 19) pp. 1207-1273; 2021-2022 (OL 20) pp. 1274-1340; 2023-2024 (OL 21) pp. 1341-1407; 2025-2026 (OL 22) pp. 1408-1474; 2027-2028 (OL 23) pp. 1475-1541; 2029-2030 (OL 24) pp. 1542-1608; 2031-2032 (OL 25) pp. 1609-1675; 2033-2034 (OL 26) pp. 1676-1742; 2035-2036 (OL 27) pp. 1743-1809; 2037-2038 (OL 28) pp. 1810-1876; 2039-2040 (OL 29) pp. 1877-1943; 2041-2042 (OL 30) pp. 1944-2010; 2043-2044 (OL 31) pp. 2011-2077; 2045-2046 (OL 32) pp. 2078-2144; 2047-2048 (OL 33) pp. 2145-2211; 2049-2050 (OL 34) pp. 2212-2278; 2051-2052 (OL 35) pp. 2279-2345; 2053-2054 (OL 36) pp. 2346-2412; 2055-2056 (OL 37) pp. 2413-2479; 2057-2058 (OL 38) pp. 2480-2546; 2059-2060 (OL 39) pp. 2547-2613; 2061-2062 (OL 40) pp. 2614-2680; 2063-2064 (OL 41) pp. 2681-2747; 2065-2066 (OL 42) pp. 2748-2814; 2067-2068 (OL 43) pp. 2815-2881; 2069-2070 (OL 44) pp. 2882-2948; 2071-2072 (OL 45) pp. 2949-3015; 2073-2074 (OL 46) pp. 3016-3082; 2075-2076 (OL 47) pp. 3083-3149; 2077-2078 (OL 48) pp. 3150-3216; 2079-2080 (OL 49) pp. 3217-3283; 2081-2082 (OL 50) pp. 3284-3350; 2083-2084 (OL 51) pp. 3351-3417; 2085-2086 (OL 52) pp. 3418-3484; 2087-2088 (OL 53) pp. 3485-3551; 2089-2090 (OL 54) pp. 3552-3618; 2091-2092 (OL 55) pp. 3619-3685; 2093-2094 (OL 56) pp. 3686-3752; 2095-2096 (OL 57) pp. 3753-3819; 2097-2098 (OL 58) pp. 3820-3886; 2099-2100 (OL 59) pp. 3887-3953; 2101-2102 (OL 60) pp. 3954-4020; 2103-2104 (OL 61) pp. 4021-4087; 2105-2106 (OL 62) pp. 4088-4154; 2107-2108 (OL 63) pp. 4155-4221; 2109-2110 (OL 64) pp. 4222-4288; 2111-2112 (OL 65) pp. 4289-4355; 2113-2114 (OL 66) pp. 4356-4422; 2115-2116 (OL 67) pp. 4423-4489; 2117-2118 (OL 68) pp. 4490-4556; 2119-2120 (OL 69) pp. 4557-4623; 2121-2122 (OL 70) pp. 4624-4690; 2123-2124 (OL 71) pp. 4691-4757; 2125-2126 (OL 72) pp. 4758-4824; 2127-2128 (OL 73) pp. 4825-4891; 2129-2130 (OL 74) pp. 4892-4958; 2131-2132 (OL 75) pp. 4959-5025; 2133-2134 (OL 76) pp. 5026-5092; 2135-2136 (OL 77) pp. 5093-5159; 2137-2138 (OL 78) pp. 5160-5226; 2139-2140 (OL 79) pp. 5227-5293; 2141-2142 (OL 80) pp. 5294-5360; 2143-2144 (OL 81) pp. 5361-5427; 2145-2146 (OL 82) pp. 5428-5494; 2147-2148 (OL 83) pp. 5495-5561; 2149-2150 (OL 84) pp. 5562-5628; 2151-2152 (OL 85) pp. 5629-5695; 2153-2154 (OL 86) pp. 5696-5762; 2155-2156 (OL 87) pp. 5763-5829; 2157-2158 (OL 88) pp. 5830-5896; 2159-2160 (OL 89) pp. 5897-5963; 2161-2162 (OL 90) pp. 5964-6030; 2163-2164 (OL 91) pp. 6031-6097; 2165-2166 (OL 92) pp. 6098-6164; 2167-2168 (OL 93) pp. 6165-6231; 2169-2170 (OL 94) pp. 6232-6298; 2171-2172 (OL 95) pp. 6299-6365; 2173-2174 (OL 96) pp. 6366-6432; 2175-2176 (OL 97) pp. 6433-6499; 2177-2178 (OL 98) pp. 6500-6566; 2179-2180 (OL 99) pp. 6567-6633; 2181-2182 (OL 100) pp. 6634-6700; 2183-2184 (OL 101) pp. 6701-6767; 2185-2186 (OL 102) pp. 6768-6834; 2187-2188 (OL 103) pp. 6835-6901; 2189-2190 (OL 104) pp. 6902-6968; 2191-2192 (OL 105) pp. 6969-7035; 2193-2194 (OL 106) pp. 7036-7102; 2195-2196 (OL 107) pp. 7103-7169; 2197-2198 (OL 108) pp. 7170-7236; 2199-2200 (OL 109) pp. 7237-7303; 2201-2202 (OL 110) pp. 7304-7370; 2203-2204 (OL 111) pp. 7371-7437; 2205-2206 (OL 112) pp. 7438-7504; 2207-2208 (OL 113) pp. 7505-7571; 2209-2210 (OL 114) pp. 7572-7638; 2211-2212 (OL 115) pp. 7639-7705; 2213-2214 (OL 116) pp. 7706-7772; 2215-2216 (OL 117) pp. 7773-7839; 2217-2218 (OL 118) pp. 7840-7906; 2219-2220 (OL 119) pp. 7907-7973; 2221-2222 (OL 120) pp. 7974-8040; 2223-2224 (OL 121) pp. 8041-8107; 2225-2226 (OL 122) pp. 8108-8174; 2227-2228 (OL 123) pp. 8175-8241; 2229-2230 (OL 124) pp. 8242-8308; 2231-2232 (OL 125) pp. 8309-8375; 2233-2234 (OL 126) pp. 8376-8442; 2235-2236 (OL 127) pp. 8443-8509; 2237-2238 (OL 128) pp. 8510-8576; 2239-2240 (OL 129) pp. 8577-8643; 2241-2242 (OL 130) pp. 8644-8710; 2243-2244 (OL 131) pp. 8711-8777; 2245-2246 (OL 132) pp. 8778-8844; 2247-2248 (OL 133) pp. 8845-8911; 2249-2250 (OL 134) pp. 8912-8978; 2251-2252 (OL 135) pp. 8979-9045; 2253-2254 (OL 136) pp. 9046-9112; 2255-2256 (OL 137) pp. 9113-9179; 2257-2258 (OL 138) pp. 9180-9246; 2259-2260 (OL 139) pp. 9247-9313; 2261-2262 (OL 140) pp. 9314-9380; 2263-2264 (OL 141) pp. 9381-9447; 2265-2266 (

DATA PRESENTED IN THIS
 SAFETY
 FOR RESEARCH PURPOSES

CEILING VERSUS VISIBILITY

3400' 20-25' 25-30' 30-35' 35-40' 40-45' 45-50' 50-55' 55-60' 60-65' 65-70' 70-75' 75-80' 80-85' 85-90' 90-95' 95-100'

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

0600-0800

5.4	5.5	12.4	15.1	14.9	18.5	20.7	20.0	21.4	20.9	21.1	21.4	21.4	21.5	21.7
5.9	9.1	13.2	15.7	16.7	19.3	20.8	21.8	21.3	21.8	22.1	22.3	22.3	22.4	22.7
5.9	9.1	13.2	15.7	16.7	19.3	20.8	21.8	21.3	21.8	22.1	22.3	22.3	22.4	22.7
5.9	9.1	13.2	15.7	16.7	19.3	20.8	21.8	21.3	21.8	22.1	22.3	22.3	22.4	22.7
5.9	9.1	13.2	15.7	16.7	19.3	20.8	21.8	21.3	21.8	22.1	22.3	22.3	22.4	22.7
6.3	9.9	14.7	17.3	18.3	21.0	22.5	22.5	23.1	23.5	23.8	24.0	24.0	24.1	24.5
6.4	10.2	15.1	17.6	18.7	21.4	22.9	22.9	23.3	23.9	24.1	24.3	24.3	24.5	24.7
6.8	10.7	16.1	18.3	19.3	22.8	24.5	24.5	25.1	25.6	25.8	26.1	26.1	26.2	26.6
7.3	11.3	16.8	19.3	20.9	24.2	26.1	26.1	26.7	27.3	27.5	27.8	27.8	27.9	28.3
7.8	12.2	17.9	20.3	22.2	25.6	27.9	27.9	28.6	29.1	29.4	29.7	29.7	29.8	30.3
9.8	13.4	21.8	23.4	25.8	30.7	33.1	33.1	33.9	34.6	34.9	35.3	35.3	35.4	35.8
10.6	16.5	23.7	27.5	29.7	33.0	35.4	35.4	36.3	37.0	37.3	37.7	37.7	37.8	38.2
11.1	18.1	25.6	30.3	32.4	36.7	39.1	39.1	40.4	41.2	41.5	41.9	41.9	42.1	42.4
12.3	20.1	29.4	34.5	36.3	41.0	43.7	43.7	45.1	45.8	46.2	46.5	46.5	46.6	47.1
13.4	22.2	34.1	39.3	42.1	47.4	50.3	50.3	52.2	53.1	53.6	53.9	54.0	54.2	54.6
15.1	24.9	39.5	46.1	45.8	55.7	58.8	58.8	61.7	62.7	63.1	63.7	63.8	63.9	64.4
15.9	26.8	42.2	49.3	52.7	60.2	64.2	64.2	67.9	68.9	69.4	70.1	70.2	70.3	70.8
16.2	27.3	42.9	50.5	53.9	61.9	65.8	66.3	69.5	70.5	71.0	71.7	71.9	72.0	72.4
16.3	27.6	43.3	52.2	56.1	64.4	68.5	69.4	72.7	74.3	74.9	75.5	76.0	76.1	76.6
16.6	28.1	44.5	53.5	57.6	66.7	71.3	72.1	75.5	77.5	78.0	78.7	79.2	79.3	79.7
16.7	28.2	44.9	54.7	58.7	68.0	73.7	74.5	78.6	80.9	81.5	82.4	82.9	83.2	83.5
16.7	28.8	45.5	55.5	59.5	68.9	74.9	75.7	79.7	82.0	82.6	83.3	84.1	84.2	84.4
16.7	28.9	45.7	55.9	60.2	69.9	75.8	76.9	81.1	84.0	84.6	85.8	86.3	86.5	86.9
16.7	28.9	45.7	55.9	60.3	70.6	76.7	77.8	82.3	85.1	85.9	87.0	87.6	87.7	88.2
16.7	29.1	46.2	56.1	62.6	71.2	77.5	78.7	83.6	86.8	87.7	88.9	89.5	89.6	90.1
16.7	29.1	46.2	56.1	62.6	71.6	77.9	79.4	84.4	88.3	89.3	90.7	91.4	91.5	91.9
16.7	29.1	46.2	56.1	62.6	71.6	77.9	79.5	84.5	88.6	89.4	91.5	92.3	92.4	92.8
16.7	29.1	46.2	56.1	62.6	71.6	77.9	79.6	85.1	89.2	90.4	92.6	93.6	93.7	94.3
16.7	29.1	46.2	56.1	62.6	71.6	77.9	79.6	85.1	89.3	91.1	93.7	95.3	95.4	96.1
16.7	29.1	46.2	56.1	62.6	71.6	77.9	79.6	85.1	89.3	91.2	93.9	95.7	95.9	97.0
16.7	29.1	46.2	56.1	62.6	71.6	77.9	79.6	85.1	89.5	91.5	94.1	96.0	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS

879

SAFETY

DATA PROCESSING DIVISION
USAF ETAG
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34068

SA 2-LEF DE LAZY/CLEVER/AF

60-71

001

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1970-11-01

1.0	4.5	7.4	9.0	11.5	13.0	15.0	16.4	17.1	18.3	18.7	19.9	19.0	19.4
2.0	4.7	8.1	11.2	12.9	15.3	17.1	19.0	20.1	21.4	22.1	22.4	22.5	23.0
3.0	4.8	8.2	11.3	13.0	15.4	17.2	19.1	20.2	21.6	22.2	22.5	22.6	23.1
4.0	4.9	8.3	11.4	13.1	15.5	17.3	19.2	20.3	21.7	22.3	22.6	22.7	23.2
5.0	5.0	8.4	11.5	13.2	15.6	17.4	19.3	20.4	21.8	22.4	22.7	22.8	23.3
6.0	5.1	8.5	11.6	13.3	15.7	17.5	19.4	20.5	21.9	22.5	22.8	22.9	23.4
7.0	5.2	8.6	11.7	13.4	15.8	17.6	19.5	20.6	22.0	22.6	22.9	23.0	23.5
8.0	5.3	8.7	11.8	13.5	15.9	17.7	19.6	20.7	22.1	22.7	23.0	23.1	23.6
9.0	5.4	8.8	11.9	13.6	16.0	17.8	19.7	20.8	22.2	22.8	23.1	23.2	23.7
10.0	5.5	8.9	12.0	13.7	16.1	17.9	19.8	20.9	22.3	22.9	23.2	23.3	23.8
11.0	5.6	9.0	12.1	13.8	16.2	18.0	19.9	21.0	22.4	23.0	23.3	23.4	23.9
12.0	5.7	9.1	12.2	13.9	16.3	18.1	20.0	21.1	22.5	23.1	23.4	23.5	24.0
13.0	5.8	9.2	12.3	14.0	16.4	18.2	20.1	21.2	22.6	23.2	23.5	23.6	24.1
14.0	5.9	9.3	12.4	14.1	16.5	18.3	20.2	21.3	22.7	23.3	23.6	23.7	24.2
15.0	6.0	9.4	12.5	14.2	16.6	18.4	20.3	21.4	22.8	23.4	23.7	23.8	24.3
16.0	6.1	9.5	12.6	14.3	16.7	18.5	20.4	21.5	22.9	23.5	23.8	23.9	24.4
17.0	6.2	9.6	12.7	14.4	16.8	18.6	20.5	21.6	23.0	23.6	23.9	24.0	24.5
18.0	6.3	9.7	12.8	14.5	16.9	18.7	20.6	21.7	23.1	23.7	24.0	24.1	24.6
19.0	6.4	9.8	12.9	14.6	17.0	18.8	20.7	21.8	23.2	23.8	24.1	24.2	24.7
20.0	6.5	9.9	13.0	14.7	17.1	18.9	20.8	21.9	23.3	23.9	24.2	24.3	24.8
21.0	6.6	10.0	13.1	14.8	17.2	19.0	20.9	22.0	23.4	24.0	24.3	24.4	24.9
22.0	6.7	10.1	13.2	14.9	17.3	19.1	21.0	22.1	23.5	24.1	24.4	24.5	25.0
23.0	6.8	10.2	13.3	15.0	17.4	19.2	21.1	22.2	23.6	24.2	24.5	24.6	25.1
24.0	6.9	10.3	13.4	15.1	17.5	19.3	21.2	22.3	23.7	24.3	24.6	24.7	25.2
25.0	7.0	10.4	13.5	15.2	17.6	19.4	21.3	22.4	23.8	24.4	24.7	24.8	25.3
26.0	7.1	10.5	13.6	15.3	17.7	19.5	21.4	22.5	23.9	24.5	24.8	24.9	25.4
27.0	7.2	10.6	13.7	15.4	17.8	19.6	21.5	22.6	24.0	24.6	24.9	25.0	25.5
28.0	7.3	10.7	13.8	15.5	17.9	19.7	21.6	22.7	24.1	24.7	25.0	25.1	25.6
29.0	7.4	10.8	13.9	15.6	18.0	19.8	21.7	22.8	24.2	24.8	25.1	25.2	25.7
30.0	7.5	10.9	14.0	15.7	18.1	19.9	21.8	22.9	24.3	24.9	25.2	25.3	25.8
31.0	7.6	11.0	14.1	15.8	18.2	20.0	21.9	23.0	24.4	25.0	25.3	25.4	25.9
32.0	7.7	11.1	14.2	15.9	18.3	20.1	22.0	23.1	24.5	25.1	25.4	25.5	26.0
33.0	7.8	11.2	14.3	16.0	18.4	20.2	22.1	23.2	24.6	25.2	25.5	25.6	26.1
34.0	7.9	11.3	14.4	16.1	18.5	20.3	22.2	23.3	24.7	25.3	25.6	25.7	26.2
35.0	8.0	11.4	14.5	16.2	18.6	20.4	22.3	23.4	24.8	25.4	25.7	25.8	26.3
36.0	8.1	11.5	14.6	16.3	18.7	20.5	22.4	23.5	24.9	25.5	25.8	25.9	26.4
37.0	8.2	11.6	14.7	16.4	18.8	20.6	22.5	23.6	25.0	25.6	25.9	26.0	26.5
38.0	8.3	11.7	14.8	16.5	18.9	20.7	22.6	23.7	25.1	25.7	26.0	26.1	26.6
39.0	8.4	11.8	14.9	16.6	19.0	20.8	22.7	23.8	25.2	25.8	26.1	26.2	26.7
40.0	8.5	11.9	15.0	16.7	19.1	20.9	22.8	23.9	25.3	25.9	26.2	26.3	26.8
41.0	8.6	12.0	15.1	16.8	19.2	21.0	22.9	24.0	25.4	26.0	26.3	26.4	26.9
42.0	8.7	12.1	15.2	16.9	19.3	21.1	23.0	24.1	25.5	26.1	26.4	26.5	27.0
43.0	8.8	12.2	15.3	17.0	19.4	21.2	23.1	24.2	25.6	26.2	26.5	26.6	27.1
44.0	8.9	12.3	15.4	17.1	19.5	21.3	23.2	24.3	25.7	26.3	26.6	26.7	27.2
45.0	9.0	12.4	15.5	17.2	19.6	21.4	23.3	24.4	25.8	26.4	26.7	26.8	27.3
46.0	9.1	12.5	15.6	17.3	19.7	21.5	23.4	24.5	25.9	26.5	26.8	26.9	27.4
47.0	9.2	12.6	15.7	17.4	19.8	21.6	23.5	24.6	26.0	26.6	26.9	27.0	27.5
48.0	9.3	12.7	15.8	17.5	19.9	21.7	23.6	24.7	26.1	26.7	27.0	27.1	27.6
49.0	9.4	12.8	15.9	17.6	20.0	21.8	23.7	24.8	26.2	26.8	27.1	27.2	27.7
50.0	9.5	12.9	16.0	17.7	20.1	21.9	23.8	24.9	26.3	26.9	27.2	27.3	27.8
51.0	9.6	13.0	16.1	17.8	20.2	22.0	23.9	25.0	26.4	27.0	27.3	27.4	27.9
52.0	9.7	13.1	16.2	17.9	20.3	22.1	24.0	25.1	26.5	27.1	27.4	27.5	28.0
53.0	9.8	13.2	16.3	18.0	20.4	22.2	24.1	25.2	26.6	27.2	27.5	27.6	28.1
54.0	9.9	13.3	16.4	18.1	20.5	22.3	24.2	25.3	26.7	27.3	27.6	27.7	28.2
55.0	10.0	13.4	16.5	18.2	20.6	22.4	24.3	25.4	26.8	27.4	27.7	27.8	28.3
56.0	10.1	13.5	16.6	18.3	20.7	22.5	24.4	25.5	26.9	27.5	27.8	27.9	28.4
57.0	10.2	13.6	16.7	18.4	20.8	22.6	24.5	25.6	27.0	27.6	27.9	28.0	28.5
58.0	10.3	13.7	16.8	18.5	20.9	22.7	24.6	25.7	27.1	27.7	28.0	28.1	28.6
59.0	10.4	13.8	16.9	18.6	21.0	22.8	24.7	25.8	27.2	27.8	28.1	28.2	28.7
60.0	10.5	13.9	17.0	18.7	21.1	22.9	24.8	25.9	27.3	27.9	28.2	28.3	28.8
61.0	10.6	14.0	17.1	18.8	21.2	23.0	24.9	26.0	27.4	28.0	28.3	28.4	28.9
62.0	10.7	14.1	17.2	18.9	21.3	23.1	25.0	26.1	27.5	28.1	28.4	28.5	29.0
63.0	10.8	14.2	17.3	19.0	21.4	23.2	25.1	26.2	27.6	28.2	28.5	28.6	29.1
64.0	10.9	14.3	17.4	19.1	21.5	23.3	25.2	26.3	27.7	28.3	28.6	28.7	29.2
65.0	11.0	14.4	17.5	19.2	21.6	23.4	25.3	26.4	27.8	28.4	28.7	28.8	29.3
66.0	11.1	14.5	17.6	19.3	21.7	23.5	25.4	26.5	27.9	28.5	28.8	28.9	29.4
67.0	11.2	14.6	17.7	19.4	21.8	23.6	25.5	26.6	28.0	28.6	28.9	29.0	29.5
68.0	11.3	14.7	17.8	19.5	21.9	23.7	25.6	26.7	28.1	28.7	29.0	29.1	29.6
69.0	11.4	14.8	17.9	19.6	22.0	23.8	25.7	26.8	28.2	28.8	29.1	29.2	29.7
70.0	11.5	14.9	18.0	19.7	22.1	23.9	25.8	26.9	28.3	28.9	29.2	29.3	29.8
71.0	11.6	15.0	18.1	19.8	22.2	24.0	25.9	27.0	28.4	29.0	29.3	29.4	29.9
72.0	11.7	15.1	18.2	19.9	22.3	24.1	26.0	27.1	28.5	29.1	29.4	29.5	30.0
73.0	11.8	15.2	18.3	20.0	22.4	24.2	26.1	27.2	28.6	29.2	29.5	29.6	30.1
74.0	11.9	15.3	18.4	20.1	22.5	24.3	26.2	27.3	28.7	29.3	29.6	29.7	30.2
75.0	12.0	15.4	18.5	20.2	22.6	24.4	26.3	27.4	28.8	29.4	29.7	29.8	30.3
76.0	12.1	15.5	18.6	20.3	22.7	24.5	26.4	27.5	28.9	29.5	29.8	29.9	30.4
77.0	12.2	15.6	18.7	20.4	22.8	24.6	26.5	27.6	29.0	29.6	29.9	30.0	30.5
78.0	12.3	15.7	18.8	20.5	22.9	24.7	26.6	27.7	29.1	29.7	30.0	30.1	30.6
79.0	12.4	15.8	18.9	20.6	23.0	24.8	26.7	27.8	29.2	29.8	30.1	30.2	30.7
80.0	12.5	15.9	19.0	20.7	23.1	24.9	26.8	27.9	29.3	29.9	30.2	30.3	30.8
81.0	12.6	16.0	19.1	20.8	23.2	25.0	26.9	28.0	29.4	30.0	30.3	30.4	30.9
82.0	12.7	16.1	19.2	20.9	23.3	25.1	27.0	28.1	29.5	30.1	30.4	30.5	31.0
83.0	12.8	16.2	19.3	21.0	23.4	25.2	27.1	28.2	29.6	30.2	30.5	30.6	31.1
84.0	12.9	16.3	19.4	21.1	23.5	25.3	27.2	28.3	29.7	30.3	30.6	30.7	31.2
85.0	13.0	16.4	19.5	21.2	23.6	25.4	27.3	28.4	29.8	30.4	30.7	30.8	31.3
86.0	13.1	16.5	19.6	21.3	23.7	25.5	27.4	28.5	29.9	30.5	30.8	30.9	31.4
87.0	13.2	16.6	19.7	21.4	23.8	25.6	27.5	28.6	30.0	30.6	30.9	31.0	31.5
88.0	13.3	16.7	19.8	21.5	23.9	25.7	27.6	28.7	30.1	30.7	31.0	31.1	31.6
89.0	13.4	16.8	19.9	21.6	24.0	25.8	27.7	28.8	30.2	30.8	31.1	31.2	31.7
90.0	13.5	16.9	20.0	21.7	24.1	25.9	27.8	28.9	30.3	30.91.			

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICES AC

CEILING VERSUS VISIBILITY

34065 SA 100FT GERMANY/OLLENA WAF 60-71

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PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

0	5.3	9.3	12.2	15.2	16.0	16.5	16.7	16.8	16.9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.1	52.2	52.3	52.4	52.5	52.6	52.7	52.8	52.9	53.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9	54.0	54.1	54.2	54.3	54.4	54.5	54.6	54.7	54.8	54.9	55.0	55.1	55.2	55.3	55.4	55.5	55.6	55.7	55.8	55.9	56.0	56.1	56.2	56.3	56.4	56.5	56.6	56.7	56.8	56.9	57.0	57.1	57.2	57.3	57.4	57.5	57.6	57.7	57.8	57.9	58.0	58.1	58.2	58.3	58.4	58.5	58.6	58.7	58.8	58.9	59.0	59.1	59.2	59.3	59.4	59.5	59.6	59.7	59.8	59.9	60.0	60.1	60.2	60.3	60.4	60.5	60.6	60.7	60.8	60.9	61.0	61.1	61.2	61.3	61.4	61.5	61.6	61.7	61.8	61.9	62.0	62.1	62.2	62.3	62.4	62.5	62.6	62.7	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8	64.9	65.0	65.1	65.2	65.3	65.4	65.5	65.6	65.7	65.8	65.9	66.0	66.1	66.2	66.3	66.4	66.5	66.6	66.7	66.8	66.9	67.0	67.1	67.2	67.3	67.4	67.5	67.6	67.7	67.8	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0	71.1	71.2	71.3	71.4	71.5	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7	72.8	72.9	73.0	73.1	73.2	73.3	73.4	73.5	73.6	73.7	73.8	73.9	74.0	74.1	74.2	74.3	74.4	74.5	74.6	74.7	74.8	74.9	75.0	75.1	75.2	75.3	75.4	75.5	75.6	75.7	75.8	75.9	76.0	76.1	76.2	76.3	76.4	76.5	76.6	76.7	76.8	76.9	77.0	77.1	77.2	77.3	77.4	77.5	77.6	77.7	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0	80.1	80.2	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0	82.1	82.2	82.3	82.4	82.5	82.6	82.7	82.8	82.9	83.0	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.8	83.9	84.0	84.1	84.2	84.3	84.4	84.5	84.6	84.7	84.8	84.9	85.0	85.1	85.2	85.3	85.4	85.5	85.6	85.7	85.8	85.9	86.0	86.1	86.2	86.3	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.3	87.4	87.5	87.6	87.7	87.8	87.9	88.0	88.1	88.2	88.3	88.4	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.9	100.0
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TOTAL NUMBER OF OBSERVATIONS

890

CEILING VERSUS VISIBILITY

2:

1500-1700

TOTAL NUMBER OF OBSERVATIONS

951

USAFETTAC

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34068 SAARLEBRUNNEN/GERMANY/CELESTIAL AFB

61-7.

04

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1000	7.1	8.6	14.1	18.6	27.2	22.2	23.2	23.5	23.7	24.1	24.1	24.3	24.9	24.9	24.9									
900	7.3	10.3	15.9	21.1	22.5	25.9	27.8	28.3	28.9	29.5	29.5	30.2	30.8	30.8	30.8									
800	7.3	10.3	15.9	21.1	22.5	25.9	27.8	28.3	28.9	29.5	29.5	30.2	30.8	30.8	30.8									
700	7.3	10.3	15.9	21.1	22.7	26.0	27.9	28.4	29.0	29.7	29.7	30.3	31.0	31.0	31.0									
600	7.4	10.5	16.0	21.3	22.9	26.2	28.3	28.9	29.5	30.2	30.2	30.8	31.4	31.4	31.4									
500	7.4	10.5	16.0	21.6	23.2	26.8	28.9	29.5	30.2	31.0	31.0	31.6	32.2	32.2	32.2									
400	7.7	11.1	17.1	22.7	24.8	28.4	30.5	31.1	31.7	32.9	33.0	33.7	34.3	34.3	34.3									
300	10.2	12.9	19.4	25.2	27.3	31.3	33.3	34.0	34.9	36.3	36.5	37.1	37.8	37.8	37.8									
200	10.8	14.0	20.6	27.0	29.0	33.3	35.7	36.3	37.3	38.7	38.9	39.5	40.2	40.2	40.2									
100	12.1	16.3	24.1	30.6	33.0	37.5	39.8	40.5	41.9	43.3	43.5	44.1	44.8	44.8	44.8									
0	14.0	18.9	27.5	34.1	37.3	42.2	44.8	45.6	47.0	48.4	48.6	49.5	50.2	50.2	50.2									
1000	15.2	20.5	29.5	36.5	39.7	44.8	47.5	48.4	49.8	51.3	51.4	52.5	53.2	53.2	53.2									
900	16.7	22.9	32.1	39.7	42.7	48.3	51.3	52.2	53.7	55.4	55.6	56.8	57.5	57.5	57.5									
800	18.1	24.8	34.8	42.5	46.3	51.9	55.1	56.0	57.5	59.2	59.4	60.6	61.4	61.4	61.4									
700	19.4	26.3	37.1	45.7	49.8	55.9	59.0	60.0	61.4	63.2	63.8	65.1	66.0	66.0	66.0									
600	20.8	27.9	41.0	50.3	55.1	61.6	64.9	66.2	67.9	69.7	70.3	71.7	72.7	72.7	72.7									
500	21.1	29.0	43.3	53.7	58.7	65.6	69.4	71.0	73.2	75.2	76.0	77.5	78.6	78.6	78.6									
400	21.3	29.4	43.7	54.6	59.7	67.0	71.1	72.7	74.9	77.0	77.8	79.2	80.3	80.3	80.3									
300	21.7	30.2	44.8	56.0	61.1	69.2	74.0	75.7	78.4	80.6	81.4	82.9	84.0	84.0	84.0									
200	22.2	30.6	45.6	57.9	63.2	71.9	77.6	79.5	82.7	84.9	85.7	87.1	88.3	88.3	88.3									
100	22.2	30.6	45.6	57.9	63.2	71.9	77.8	80.3	83.8	86.3	87.3	88.7	90.0	90.0	90.0									
0	22.2	30.6	45.6	57.9	63.2	71.9	77.9	80.5	84.0	86.7	87.6	89.5	91.0	91.0	91.0									
1000	22.2	30.6	45.6	57.9	63.2	72.4	78.9	81.7	85.7	88.7	89.7	91.6	93.0	93.0	93.0									
900	22.2	30.6	45.6	57.9	63.2	72.4	79.0	81.9	86.5	89.5	90.5	92.5	94.0	94.0	94.0									
800	22.2	30.6	45.6	57.9	63.2	72.5	79.4	82.2	87.0	90.2	91.1	93.2	94.6	94.6	94.6									
700	22.2	30.6	45.6	57.9	63.3	72.5	79.4	82.2	87.5	91.0	92.1	94.1	95.7	95.7	95.7									
600	22.2	30.6	45.7	58.1	63.5	72.7	79.5	82.4	87.6	91.1	92.2	94.6	96.2	96.2	96.2									
500	22.2	30.6	45.7	58.1	63.5	72.7	79.5	82.4	87.9	91.4	92.5	94.9	97.3	97.3	97.3									
400	22.2	30.6	45.7	58.1	63.5	72.7	79.5	82.4	87.9	91.4	92.5	94.9	97.6	97.6	97.6									
300	22.2	30.6	45.7	58.1	63.5	72.7	79.5	82.4	87.9	91.4	92.5	94.9	97.6	97.6	97.6									
200	22.2	30.6	45.7	58.1	63.5	72.7	79.5	82.4	87.9	91.4	92.5	94.9	97.6	97.6	97.6									
100	22.2	30.6	45.7	58.1	63.5	72.7	79.5	82.4	87.9	91.4	92.5	94.9	97.6	97.6	97.6									
0	22.2	30.6	45.7	58.1	63.5	72.7	79.5	82.4	87.9	91.4	92.5	94.9	97.6	97.6	97.6									

TOTAL NUMBER OF OBSERVATIONS

630

USAFETAC

FORM 1-4

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

01

44.

2100-2300

[illegible]

TOTAL NUMBER OF OBSERVATIONS

19

USAFETAC

0-14-5 (OL 1) ARE ALL EDITIONS OF THIS FORM ARE RESOLVED

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34068

SA DUEPEN GERMANY/CULLEMAN AFB

62-65

FE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.01
NO CEILING		11.0	12.2	24.4	26.8	25.8	29.3	32.9	32.9	34.1	36.6	36.6	36.6	36.6	36.6	39.0
10000		11.0	12.2	24.4	26.8	26.8	29.3	32.9	32.9	34.1	36.6	36.6	36.6	36.6	36.6	39.0
9000		11.0	12.2	24.4	26.8	26.8	29.3	32.9	32.9	34.1	36.6	36.6	36.6	36.6	36.6	39.0
8000		11.0	12.2	24.4	26.8	26.8	29.3	32.9	32.9	34.1	36.6	36.6	36.6	36.6	36.6	39.0
7000		11.0	12.2	24.4	26.8	26.8	29.3	32.9	32.9	34.1	36.6	36.6	36.6	36.6	36.6	39.0
6000		11.0	12.2	24.4	26.8	26.8	29.3	34.1	34.1	35.4	37.8	37.8	37.8	37.8	37.8	40.2
5000		11.0	12.2	24.4	26.8	26.8	29.3	34.1	34.1	35.4	37.8	37.8	37.8	37.8	37.8	40.2
4000		11.0	12.2	24.4	26.8	26.8	29.3	34.1	34.1	35.4	37.8	37.8	37.8	37.8	37.8	40.2
3000		11.0	12.2	24.4	26.8	26.8	29.3	34.1	34.1	35.4	37.8	37.8	37.8	37.8	37.8	40.2
2000		12.2	13.4	28.0	31.7	31.7	34.1	39.0	39.0	40.2	42.7	42.7	42.7	42.7	42.7	45.1
1000		13.4	14.6	29.3	32.9	32.9	35.4	40.2	41.5	42.7	45.1	45.1	45.1	45.1	45.1	47.6
800		13.4	14.6	29.3	32.9	32.9	35.4	40.2	41.5	42.7	45.1	45.1	45.1	45.1	45.1	47.6
700		15.9	17.1	32.9	36.6	36.6	39.0	43.9	45.1	46.3	48.8	50.0	50.0	50.0	50.0	52.4
600		15.9	17.1	34.1	37.8	37.8	40.2	45.1	46.3	47.6	50.0	51.2	51.2	51.2	51.2	53.7
500		18.3	19.5	36.6	41.5	41.5	43.9	51.2	52.4	53.7	56.1	57.3	57.3	57.3	57.3	59.8
400		18.3	20.7	39.0	43.9	43.9	46.3	53.7	54.9	57.3	59.8	61.0	61.0	61.0	61.0	63.4
300		19.5	24.4	45.1	54.9	56.1	58.5	67.1	68.3	70.7	73.2	74.4	74.4	74.4	74.4	76.8
200		22.0	29.3	51.2	62.2	64.6	67.1	75.6	76.8	79.3	81.7	82.9	82.9	82.9	82.9	85.4
100		22.0	29.3	52.4	63.4	65.9	69.5	78.0	79.3	81.7	84.1	85.4	85.4	85.4	85.4	87.8
80		23.2	30.5	53.7	64.6	67.1	70.7	79.3	80.5	84.1	86.6	87.8	87.8	87.8	87.8	90.2
70		23.2	30.5	53.7	64.6	67.1	70.7	79.3	80.5	84.1	86.6	87.8	87.8	87.8	87.8	90.2
60		23.2	30.5	53.7	64.6	67.1	70.7	80.5	81.7	85.4	87.8	89.0	89.0	89.0	89.0	91.5
50		23.2	30.5	53.7	64.6	67.1	70.7	80.5	82.9	86.6	89.0	90.2	90.2	90.2	90.2	92.7
40		23.2	30.5	53.7	64.6	67.1	70.7	80.5	82.9	87.8	90.2	91.5	91.5	91.5	91.5	93.9
30		23.2	30.5	53.7	64.6	67.1	70.7	80.5	82.9	87.8	91.5	92.7	93.9	93.9	93.9	96.3
20		23.2	30.5	53.7	64.6	67.1	70.7	80.5	82.9	87.8	91.5	93.9	95.1	96.3	97.6	100.0
10		23.2	30.5	53.7	64.6	67.1	70.7	80.5	82.9	87.8	91.5	93.9	95.1	96.3	97.6	100.0
0		23.2	30.5	53.7	64.6	67.1	70.7	80.5	82.9	87.8	91.5	93.9	95.1	96.3	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS

32

USAFETAC

FORM
JUL 54

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34068 SA LIEFER GERMAN Y/CLEMAN AAF

60-70

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80
IN 3000	10.5	12.7	16.1	18.4	19.2	21.8	24.0	24.3	25.6	27.1	27.3	27.8	27.8	27.8	28.7	
IV 3000	11.2	13.5	17.1	19.9	20.8	24.0	26.2	26.6	28.1	29.7	30.2	30.5	30.5	30.5	31.2	
IV 2800	11.1	13.6	17.2	20.1	21.0	24.1	26.3	26.7	28.2	29.8	30.1	30.6	30.6	30.6	31.5	
IV 2600	11.1	13.6	17.2	20.1	21.1	24.2	26.5	26.8	28.3	30.0	30.2	30.7	30.7	30.7	31.6	
IV 2400	11.1	13.6	17.2	20.1	21.1	24.2	26.5	26.8	28.5	30.1	30.3	30.8	30.8	30.8	31.7	
IV 2200	11.1	13.6	17.2	20.2	21.2	24.3	26.6	27.0	28.6	30.2	30.5	31.0	31.0	31.0	31.9	
IV 2000	11.4	13.9	17.7	20.7	21.7	24.8	27.3	27.7	29.3	31.0	31.2	31.7	31.7	31.7	32.4	
IV 1800	11.5	14.0	18.0	21.1	22.1	25.2	27.8	28.3	30.0	31.8	32.1	32.6	32.6	32.6	33.5	
IV 1600	12.2	14.7	19.1	22.2	23.2	26.5	29.2	30.0	31.6	32.6	33.8	34.3	34.3	34.3	35.2	
IV 1400	13.6	16.4	21.5	24.7	25.7	29.1	32.0	32.7	34.6	36.7	37.0	37.5	37.5	37.5	38.3	
IV 1200	14.7	18.1	23.5	26.8	27.8	31.2	34.1	35.0	37.0	39.2	39.6	40.2	40.2	40.2	41.1	
IV 1000	18.7	22.5	28.8	32.7	33.7	37.2	40.2	41.1	43.3	45.7	46.1	46.7	46.7	46.7	47.6	
IV 800	19.5	23.7	30.7	34.7	35.8	39.8	43.1	43.9	46.3	48.7	49.4	50.3	50.3	50.3	51.2	
IV 600	20.7	25.3	33.1	37.6	38.7	42.8	46.1	47.1	49.4	52.1	52.8	53.7	54.2	54.2	55.2	
IV 400	21.8	26.7	35.2	40.2	41.7	46.2	49.7	50.7	53.6	56.2	56.9	57.8	58.3	58.3	59.3	
IV 200	24.7	30.1	39.8	45.6	47.2	52.3	56.2	57.2	60.2	62.9	63.8	64.9	65.4	65.4	66.4	
IV 100	25.7	32.3	44.2	51.2	52.9	58.4	62.9	64.2	67.7	70.5	71.7	72.9	73.4	73.4	74.4	
IV 0	27.7	35.3	48.7	56.8	58.6	64.2	69.0	70.3	73.9	77.2	78.4	79.7	80.1	80.1	81.1	
IV 3000	28.0	35.6	49.3	57.7	59.4	65.3	70.2	71.5	75.2	78.4	79.7	80.9	81.4	81.4	82.4	
IV 2800	28.2	36.0	50.6	59.7	61.5	68.0	73.4	75.0	79.2	82.5	83.9	85.1	85.6	85.6	86.4	
IV 2600	28.3	36.1	50.8	60.3	62.2	69.0	74.4	76.2	80.5	84.4	85.9	87.1	87.9	87.9	88.9	
IV 2400	28.5	36.2	50.9	60.5	62.4	69.4	74.9	76.8	81.8	85.8	87.4	88.6	89.4	89.4	90.4	
IV 2200	28.5	36.2	50.9	60.5	62.4	69.4	75.0	76.9	81.9	85.9	87.5	88.8	89.5	89.5	90.5	
IV 2000	28.5	36.2	50.9	60.5	62.4	69.5	75.3	77.3	82.5	86.8	88.4	89.8	90.5	90.5	91.5	
IV 1800	28.5	36.3	51.1	60.7	62.5	69.7	75.4	77.4	82.8	87.1	88.8	90.4	91.1	91.1	92.1	
IV 1600	28.5	36.3	51.1	60.8	62.7	69.8	75.7	77.9	83.4	87.9	89.6	91.3	92.0	92.0	93.1	
IV 1400	28.5	36.3	51.1	60.8	62.7	69.9	75.9	78.3	83.9	88.4	90.1	91.9	92.6	92.6	93.8	
IV 1200	28.5	36.3	51.1	60.8	62.7	69.9	75.9	78.3	83.9	88.4	90.1	91.9	92.6	92.6	93.8	
IV 1000	28.5	36.3	51.1	60.9	62.8	70.2	76.2	78.5	84.3	88.8	90.8	92.3	93.3	93.3	94.8	
IV 800	28.5	36.3	51.1	60.9	62.8	70.2	76.2	78.5	84.4	88.9	90.9	92.6	93.6	94.0	96.0	
IV 600	28.5	36.3	51.1	60.9	62.8	70.2	76.2	78.5	84.4	89.0	91.0	93.1	94.1	94.5	97.3	
IV 400	28.5	36.3	51.1	60.9	62.8	70.2	76.2	78.5	84.4	89.0	91.0	93.1	94.3	94.6	100.0	

TOTAL NUMBER OF OBSERVATIONS

901

USAFETAC

FORM
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AAC

CEILING VERSUS VISIBILITY

34058

SALZGEB. GERMANY/COLEMAN AAF

60-70

FEA

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
NO CEILING	9.7	12.4	15.4	17.0	17.8	20.6	22.3	23.0	24.9	26.8	27.4	27.5	27.7	27.7	28.0		
2000	10.9	13.8	17.6	19.7	20.5	24.3	26.0	26.8	29.2	31.3	31.9	32.1	32.2	32.2	32.6		
1800	10.9	13.8	17.6	19.7	20.5	24.3	26.0	26.8	29.3	31.3	32.1	32.4	32.5	32.5	32.8		
1600	11.1	14.1	17.9	20.2	21.0	24.7	26.5	27.3	30.0	32.4	32.9	33.2	33.3	33.3	33.6		
1400	11.1	14.1	18.1	20.3	21.1	24.9	26.6	27.4	30.1	32.5	33.1	33.3	33.4	33.4	33.8		
1200	11.1	14.1	18.1	20.4	21.5	25.2	27.0	27.8	30.5	32.9	33.5	33.8	33.9	33.9	34.2		
1000	11.7	14.7	18.6	21.3	22.6	26.4	28.1	29.0	31.7	34.1	34.7	34.9	35.1	35.1	35.4		
800	12.0	14.9	18.9	21.6	22.9	26.8	28.6	29.4	32.4	34.8	35.4	35.6	35.8	35.8	36.1		
600	13.2	16.2	20.6	23.6	24.9	29.3	31.2	32.1	35.1	37.5	38.1	38.3	38.5	38.5	38.8		
400	14.2	17.6	22.5	25.9	27.2	32.5	34.6	35.5	38.6	41.4	42.0	42.2	42.3	42.3	42.9		
200	14.7	18.2	23.3	26.7	28.1	33.4	35.9	36.9	40.0	43.0	44.0	44.2	44.4	44.4	45.0		
NO VIS	15.4	20.3	25.7	29.9	31.4	37.0	39.9	40.9	44.1	47.5	48.4	48.8	49.0	49.0	49.6		
1000	17.2	21.6	27.1	31.5	33.3	39.3	42.6	43.7	47.2	50.6	51.6	51.9	52.2	52.2	52.8		
800	18.9	23.8	29.9	35.1	36.8	42.6	47.0	48.4	52.1	55.6	56.6	57.0	57.3	57.3	57.9		
600	19.6	24.9	31.1	36.9	39.2	46.8	50.4	51.9	55.9	59.7	60.7	61.1	61.7	61.7	62.3		
400	21.1	27.0	34.3	41.1	43.4	51.2	55.3	56.9	61.4	65.3	67.1	67.9	68.3	68.3	69.1		
200	22.6	29.5	39.0	47.4	49.8	58.4	63.1	64.7	69.8	74.3	76.1	76.9	77.5	77.5	78.1		
NO VIS	24.3	31.8	41.9	50.4	52.1	62.1	67.4	69.1	74.8	79.5	81.2	82.2	82.8	82.8	83.4		
1000	24.3	31.9	42.2	51.1	53.9	63.0	68.5	70.1	76.2	81.0	82.8	83.7	84.3	84.3	84.9		
800	24.5	32.1	42.6	51.7	54.7	64.4	70.1	72.1	78.5	83.5	85.2	86.2	86.9	86.9	87.5		
600	24.5	32.5	43.1	52.5	55.6	65.4	71.6	74.0	80.4	85.7	87.5	88.9	89.8	89.8	90.6		
400	24.5	32.5	43.1	52.5	55.6	65.5	71.9	74.2	80.7	86.5	88.4	90.0	91.0	91.0	91.8		
200	24.5	32.5	43.1	52.9	56.0	66.0	72.3	74.7	81.2	87.3	89.2	90.9	91.9	91.9	92.7		
NO VIS	24.5	32.5	43.1	52.9	56.0	66.1	72.7	75.0	81.7	87.9	89.8	91.8	92.8	92.8	93.7		
1000	24.5	32.5	43.1	52.9	56.0	66.6	73.3	75.6	82.3	88.6	90.5	92.5	93.6	93.6	94.5		
800	24.5	32.5	43.1	52.9	56.0	66.6	73.4	75.8	82.5	89.0	91.1	93.1	94.4	94.4	95.3		
600	24.5	32.5	43.1	52.9	56.0	66.7	73.5	76.0	82.6	89.1	91.2	93.2	94.6	94.6	95.8		
400	24.5	32.5	43.1	52.9	56.0	66.7	73.6	76.1	82.8	89.2	91.3	93.3	94.8	94.8	96.6		
200	24.5	32.5	43.1	52.9	56.0	66.7	73.6	76.1	82.8	89.2	91.3	93.3	94.8	94.8	97.3		
NO VIS	24.5	32.5	43.1	52.9	56.0	66.7	73.6	76.1	82.8	89.2	91.3	93.3	94.8	94.8	98.9		
1000	24.5	32.5	43.1	52.9	56.0	66.7	73.6	76.1	82.8	89.2	91.3	93.3	94.8	94.8	100.0		

TOTAL NUMBER OF OBSERVATIONS

853

USAFETAC

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE

CEILING VERSUS VISIBILITY

34068

SANDHURST GERMANY/CJLE/AF AAF

60-70

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	13.8	15.8	19.2	21.0	21.5	22.7	24.2	24.6	25.9	26.8	26.9	26.9	27.0	27.0	27.0	27.3
900	16.2	19.3	23.6	26.2	26.8	28.3	30.3	31.2	32.5	32.9	34.0	34.0	34.1	34.1	34.1	34.3
800	16.4	19.6	23.9	26.5	27.1	28.7	30.6	31.6	33.1	34.2	34.3	34.3	34.3	34.3	34.3	34.7
700	16.4	19.6	23.9	26.5	27.3	28.8	30.7	31.7	33.3	34.3	34.5	34.5	34.6	34.6	34.6	34.8
600	16.7	19.8	24.2	26.9	27.6	29.2	31.1	32.1	33.6	34.7	34.8	34.8	34.9	34.9	34.9	35.2
500	16.8	19.9	24.7	27.5	28.2	29.8	31.8	32.8	34.3	35.4	35.5	35.5	35.7	35.7	35.7	35.9
400	17.3	20.8	25.8	28.8	29.5	31.2	33.3	34.2	35.8	36.9	37.0	37.0	37.1	37.1	37.1	37.3
300	18.1	21.6	27.0	30.0	30.9	32.5	34.6	35.5	37.1	38.2	38.3	38.3	38.4	38.4	38.4	38.7
200	19.4	23.2	28.6	31.7	32.7	34.5	36.7	37.8	39.4	40.5	40.6	40.6	40.7	40.7	40.7	40.9
100	21.0	24.7	30.4	33.7	34.7	36.9	39.1	40.3	42.0	43.1	43.2	43.2	43.5	43.5	43.5	43.8
0	22.2	26.3	32.4	35.8	37.1	39.4	42.3	43.6	45.5	46.7	46.8	46.8	47.1	47.1	47.1	47.4
1000	23.0	27.3	33.9	37.5	39.0	41.7	44.8	46.1	48.0	49.2	49.3	49.3	49.6	49.6	49.6	49.9
900	24.0	28.3	36.1	40.3	42.1	44.8	47.9	49.6	51.5	52.7	52.8	52.8	53.1	53.1	53.1	53.4
800	25.8	30.7	39.0	44.1	45.9	48.5	51.9	53.9	56.2	57.4	57.5	57.5	57.7	57.7	57.7	58.1
700	26.5	32.2	41.1	46.3	48.3	51.7	55.5	57.5	59.9	61.6	61.7	61.7	62.1	62.1	62.1	62.4
600	31.6	37.5	47.5	53.5	55.6	59.5	63.3	65.4	68.2	70.1	70.2	70.5	71.1	71.1	71.1	71.4
500	34.0	40.6	51.9	59.3	61.8	66.1	70.6	72.7	75.6	77.7	77.8	78.3	78.9	78.9	78.9	79.2
400	35.3	42.1	53.7	61.7	64.3	69.7	74.3	76.7	79.8	82.6	82.8	83.3	83.9	83.9	83.9	84.3
300	35.5	42.5	54.3	62.7	65.4	70.8	75.5	77.9	81.2	83.9	84.2	84.6	85.2	85.2	85.2	85.6
200	36.3	43.3	55.8	64.9	67.9	73.7	78.9	81.3	84.9	87.8	88.1	88.7	89.3	89.3	89.3	89.7
100	36.5	43.7	57.0	66.3	69.5	75.4	81.3	83.8	87.4	90.6	91.1	91.7	92.7	92.7	92.7	93.0
0	36.5	43.7	57.3	66.6	69.9	75.9	81.8	84.3	87.9	91.8	92.4	93.4	94.5	94.5	94.5	94.8
1000	36.5	43.7	57.3	66.7	70.1	76.2	82.5	85.0	88.7	92.7	93.3	94.2	95.6	95.6	95.6	96.0
900	36.5	43.7	57.3	66.7	70.2	76.6	82.6	85.1	88.8	93.0	93.6	94.6	96.0	96.0	96.0	96.6
800	36.5	43.7	57.3	66.7	70.2	76.6	82.6	85.1	88.8	93.0	93.6	94.6	96.0	96.0	96.0	96.6
700	36.5	43.7	57.3	66.7	70.2	76.6	82.6	85.1	88.8	93.0	93.6	94.6	96.0	96.0	96.0	96.6
600	36.5	43.7	57.3	66.7	70.2	76.6	82.6	85.1	88.8	93.0	93.6	94.6	96.0	96.0	96.0	96.6
500	36.5	43.7	57.3	66.7	70.2	76.6	82.6	85.1	88.8	93.0	93.6	94.6	96.0	96.0	96.0	96.6
400	36.5	43.7	57.3	66.7	70.2	76.6	82.6	85.1	88.8	93.0	93.6	94.6	96.0	96.0	96.0	96.6
300	36.5	43.7	57.3	66.7	70.2	76.6	82.6	85.1	88.8	93.0	93.6	94.6	96.0	96.0	96.0	96.6
200	36.5	43.7	57.3	66.7	70.2	76.6	82.6	85.1	88.8	93.0	93.6	94.6	96.0	96.0	96.0	96.6
100	36.5	43.7	57.3	66.7	70.2	76.6	82.6	85.1	88.8	93.0	93.6	94.6	96.0	96.0	96.0	96.6
0	36.5	43.7	57.3	66.7	70.2	76.6	82.6	85.1	88.8	93.0	93.6	94.6	96.0	96.0	96.0	96.6

TOTAL NUMBER OF OBSERVATIONS 833

CEILING VERSUS VISIBILITY

FEB

1500-1700

796

0 14 5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

34068

SA BUEFEN GERMANY/COLEMAN AAF

62-70

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1870-2000

CEILING FEET	VISIBILITY STATUTES MILES															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
NO CEILING	21.3	23.5	27.7	30.6	30.9	32.2	32.5	33.1	33.6	34.0	34.1	34.2	34.4	34.4	34.4	34.4
IV 2000	23.0	26.6	31.6	35.8	36.3	38.2	38.5	39.2	40.2	40.3	40.3	40.3	41.0	41.0	41.0	41.0
IV 1800	23.1	26.8	31.8	36.0	36.5	38.3	38.7	39.4	40.1	40.5	40.5	40.7	41.2	41.2	41.2	41.2
IV 1600	23.3	26.9	32.0	36.2	36.7	38.5	38.9	39.6	40.3	40.7	40.7	40.9	41.4	41.4	41.4	41.4
IV 1400	23.3	26.9	32.0	36.2	36.7	38.5	38.9	39.6	40.3	40.7	40.7	40.9	41.4	41.4	41.4	41.4
IV 1200	24.1	28.0	33.1	37.4	38.2	40.1	40.5	41.2	42.0	42.3	42.3	42.5	43.0	43.0	43.0	43.0
IV 1000	25.1	29.1	34.2	38.5	39.4	41.6	42.0	42.7	43.4	43.8	43.8	43.9	44.5	44.5	44.5	44.5
IV 800	27.5	31.6	37.3	41.8	42.9	45.2	45.6	46.3	47.0	47.4	47.4	47.6	48.1	48.1	48.1	48.1
IV 700	29.7	33.8	39.4	44.1	45.2	47.7	48.3	49.2	50.1	50.5	50.5	50.6	51.2	51.2	51.2	51.2
IV 600	31.1	35.4	41.2	46.3	47.6	50.5	51.0	52.1	53.2	53.5	53.5	54.1	54.6	54.6	54.6	54.6
IV 500	34.4	38.7	44.7	49.9	51.5	55.0	55.7	56.8	57.9	58.4	58.4	59.0	59.5	59.5	59.5	59.5
IV 450	34.7	39.6	45.6	51.2	52.8	56.6	57.3	58.4	59.7	60.2	60.2	60.8	61.3	61.3	61.3	61.3
IV 400	36.0	41.4	48.5	54.4	56.1	60.2	60.9	62.0	63.7	64.2	64.2	64.7	65.3	65.3	65.3	65.3
IV 350	37.1	43.0	51.0	57.1	58.8	63.5	64.2	65.6	67.6	68.2	68.2	68.7	69.3	69.3	69.3	69.3
IV 300	39.2	46.3	55.3	62.2	63.8	68.9	69.8	71.6	73.6	74.1	74.1	74.9	75.6	75.6	75.6	75.6
IV 250	42.1	49.7	59.3	66.9	68.5	74.0	75.0	76.9	78.8	79.6	79.6	80.3	81.0	81.0	81.0	81.0
IV 200	43.6	51.4	61.7	69.8	71.8	78.2	80.1	81.9	84.8	86.3	86.3	87.0	87.7	87.7	87.7	87.7
IV 1800	44.3	52.1	63.1	72.0	74.0	80.8	82.6	84.4	87.3	88.8	88.8	89.5	90.2	90.2	90.2	90.2
IV 1600	45.2	53.0	64.7	73.8	75.8	83.5	85.4	87.2	90.2	92.0	92.0	93.1	93.9	93.9	93.9	93.9
IV 1400	45.6	53.3	65.1	74.1	76.1	84.6	87.0	88.8	92.2	94.0	94.0	95.3	96.0	96.0	96.2	96.2
IV 1200	45.6	53.3	65.1	74.7	76.7	85.4	87.7	89.5	93.7	95.5	95.5	96.7	97.5	97.5	97.6	97.6
IV 1000	45.6	53.3	65.1	74.7	76.7	85.4	87.7	89.5	93.7	95.5	95.5	96.7	97.5	97.5	97.6	97.6
IV 900	45.6	53.3	65.1	74.7	76.7	85.4	87.7	89.5	93.7	95.5	95.5	96.7	97.5	97.5	97.6	97.6
IV 800	45.6	53.3	65.1	74.9	76.9	85.5	88.1	89.9	94.0	95.8	95.8	97.3	98.2	98.2	98.4	98.4
IV 700	45.6	53.3	65.1	74.9	76.9	85.5	88.1	89.9	94.2	96.0	96.2	97.5	98.4	98.4	98.6	98.6
IV 600	45.6	53.3	65.1	74.9	76.9	85.5	88.1	89.9	94.2	96.0	96.2	97.5	98.4	98.4	98.7	98.7
IV 500	45.6	53.3	65.1	74.9	76.9	85.5	88.1	89.9	94.2	96.2	96.4	97.6	98.6	98.6	98.9	98.9
IV 400	45.6	53.3	65.1	74.9	76.9	85.5	88.1	89.9	94.2	96.2	96.4	97.6	98.6	98.6	98.9	98.9
IV 300	45.6	53.3	65.1	74.9	76.9	85.5	88.1	89.9	94.2	96.2	96.7	98.2	99.1	99.1	99.5	99.5
IV 200	45.6	53.3	65.1	74.9	76.9	85.5	88.1	89.9	94.2	96.2	96.7	98.2	99.1	99.1	99.5	99.5
IV 100	45.6	53.3	65.1	74.9	76.9	85.5	88.1	89.9	94.2	96.2	96.7	98.2	99.1	99.1	99.5	99.5
IV 0	45.6	53.3	65.1	74.9	76.9	85.5	88.1	89.9	94.2	96.2	96.7	98.2	99.1	99.1	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 553

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

34068

SA D-UFEL GERMANY/CULEMAN AAF

62-64

AR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ .05
≥ 10000	5.4	8.1	16.2	25.7	25.7	29.7	31.1	33.8	39.2	40.5	40.5	40.5	40.5	40.5	40.5	41.9
9000	5.4	8.1	16.2	25.7	25.7	29.7	31.1	33.8	39.2	40.5	40.5	40.5	40.5	40.5	40.5	41.9
8000	5.4	8.1	16.2	25.7	25.7	29.7	31.1	33.8	39.2	40.5	40.5	40.5	40.5	40.5	40.5	41.9
7000	5.4	8.1	16.2	25.7	25.7	29.7	31.1	33.8	39.2	40.5	40.5	40.5	40.5	40.5	40.5	41.9
6000	5.4	8.1	16.2	25.7	25.7	29.7	31.1	33.8	39.2	40.5	40.5	40.5	40.5	40.5	40.5	41.9
5000	5.4	8.1	16.2	25.7	25.7	29.7	31.1	33.8	39.2	40.5	40.5	40.5	40.5	40.5	40.5	41.9
4000	6.8	9.5	17.6	27.0	27.0	31.1	32.4	35.1	40.5	41.9	41.9	41.9	41.9	41.9	41.9	43.2
3000	6.8	9.5	17.6	27.0	27.0	31.1	32.4	35.1	40.5	41.9	41.9	41.9	41.9	41.9	41.9	43.2
2000	8.1	12.2	21.6	32.4	32.4	36.5	37.8	40.5	45.9	47.3	47.3	47.3	47.3	47.3	47.3	48.6
1500	8.1	12.2	21.6	32.4	32.4	36.5	37.8	40.5	45.9	47.3	47.3	47.3	47.3	47.3	47.3	48.6
1000	8.1	12.2	21.6	32.4	32.4	36.5	37.8	40.5	45.9	47.3	47.3	47.3	47.3	47.3	47.3	48.6
800	8.1	12.2	21.6	32.4	32.4	36.5	37.8	40.5	45.9	47.3	47.3	47.3	47.3	47.3	47.3	48.6
700	10.8	14.9	25.7	36.5	36.5	40.5	43.2	45.9	51.4	52.7	52.7	52.7	52.7	52.7	52.7	54.1
600	10.8	14.9	25.7	36.5	36.5	40.5	43.2	45.9	51.4	52.7	52.7	52.7	52.7	52.7	52.7	54.1
500	12.2	17.6	29.7	43.2	44.6	48.6	51.4	54.1	59.5	60.8	60.8	60.8	60.8	60.8	60.8	62.2
400	13.5	21.6	39.2	55.4	56.8	60.8	64.9	67.6	74.3	75.7	75.7	75.7	75.7	75.7	75.7	77.0
300	13.5	21.6	39.2	55.4	56.8	60.8	64.9	67.6	74.3	75.7	75.7	75.7	75.7	75.7	75.7	77.0
200	14.9	23.0	44.6	63.5	64.9	68.9	73.0	75.7	82.4	83.8	83.8	83.8	83.8	83.8	83.8	85.1
100	14.9	23.0	44.6	63.5	64.9	68.9	73.0	75.7	82.4	83.8	83.8	83.8	83.8	83.8	83.8	85.1
0	14.9	23.0	44.6	63.5	64.9	68.9	73.0	75.7	82.4	83.8	83.8	83.8	83.8	83.8	83.8	85.1

TOTAL NUMBER OF OBSERVATIONS

74

USAFETAC

FORM
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ TAC

CEILING VERSUS VISIBILITY

34068 SANDHOFEN GERMANY/COLEMAN AAF

69-73

1AR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	1/8	1/4	1/2	3/4	1	2	3	4	5	6	7	8	9	10	11	12
0	9.6	12.9	16.3	20.0	21.2	25.4	28.3	29.0	31.9	34.0	34.8	35.5	36.3	36.3	37.6	37.6
100	9.6	12.9	16.3	20.0	21.2	25.4	28.3	29.0	31.9	34.0	34.8	35.5	36.3	36.3	37.6	37.6
200	9.6	12.9	16.3	20.0	21.2	25.4	28.3	29.0	31.9	34.0	34.8	35.5	36.3	36.3	37.6	37.6
300	9.7	13.0	16.4	20.1	21.3	25.5	28.4	29.1	32.0	34.1	34.9	35.6	36.4	36.4	37.7	37.7
400	9.7	13.0	16.4	20.1	21.3	25.5	28.5	29.3	32.1	34.3	35.0	35.7	36.5	36.5	37.8	37.8
500	9.7	13.2	16.8	20.6	21.9	26.3	29.1	30.0	33.0	35.1	35.9	36.6	37.3	37.3	38.6	38.6
600	11.0	13.6	17.3	21.4	22.7	27.2	30.1	31.0	33.9	36.1	36.8	37.6	38.3	38.3	39.6	39.6
700	10.9	14.8	18.9	23.6	24.9	29.8	32.7	33.5	37.0	39.3	40.0	40.7	41.5	41.5	42.8	42.8
800	11.4	15.5	20.1	25.2	26.6	31.7	34.7	35.5	39.1	41.5	42.2	43.0	43.9	43.9	45.2	45.2
900	12.8	17.2	22.7	28.3	29.8	34.9	37.9	38.7	42.3	44.8	45.5	46.5	47.4	47.4	48.7	48.7
1000	14.8	20.4	26.3	33.0	34.6	40.0	43.3	44.1	47.8	50.3	51.1	52.0	53.0	53.0	54.3	54.3
1200	16.8	23.2	29.7	37.0	38.7	44.4	47.9	48.7	52.6	55.1	56.0	56.9	57.9	57.9	59.1	59.1
1400	19.0	25.0	32.2	40.1	41.8	47.9	51.7	52.6	56.9	59.6	60.4	61.3	62.4	62.4	63.7	63.7
1600	20.2	28.6	37.2	46.1	48.1	54.5	58.6	59.6	64.6	67.2	68.1	69.1	70.2	70.2	71.5	71.5
1800	21.2	30.7	40.7	51.0	53.1	59.7	64.6	65.9	71.0	73.6	74.5	75.5	76.6	76.6	78.0	78.0
2000	22.4	33.1	44.5	56.3	58.6	65.4	70.5	71.8	77.0	80.0	80.9	81.9	83.0	83.0	84.4	84.4
2200	23.7	35.6	47.4	59.7	62.1	69.9	74.9	76.3	81.7	84.7	85.5	86.6	87.7	87.7	89.0	89.0
2400	24.3	36.5	48.8	61.2	63.7	71.2	76.5	77.9	83.4	86.5	87.3	88.4	89.5	89.5	90.9	90.9
2600	24.9	36.7	49.6	62.0	64.8	72.7	78.3	79.8	85.5	88.8	89.7	90.7	91.8	91.8	93.2	93.2
2800	25.0	37.4	50.7	63.5	66.4	74.5	80.7	82.4	88.2	91.5	92.4	93.6	94.7	94.8	96.1	96.1
3000	25.0	37.4	50.7	63.5	66.4	74.5	81.1	82.9	88.6	92.0	93.0	94.1	95.2	95.3	96.6	96.6
3200	25.0	37.4	50.7	63.5	66.5	74.7	81.2	83.0	88.7	92.1	93.1	94.3	95.3	95.4	96.7	96.7
3400	25.0	37.4	50.7	63.5	66.5	74.7	81.2	83.0	88.9	92.4	93.3	94.5	95.6	95.7	97.0	97.0
3600	25.0	37.4	50.7	63.6	66.6	74.9	81.4	83.2	89.0	93.0	94.1	95.3	96.5	96.6	97.9	97.9
3800	25.0	37.4	50.7	63.6	66.6	75.2	81.7	83.5	89.4	93.5	94.9	96.2	97.4	97.6	98.9	98.9
4000	25.0	37.4	50.7	63.6	66.6	75.3	81.8	83.6	89.5	93.7	95.1	96.4	97.8	97.9	99.1	99.1
4200	25.0	37.4	50.7	63.6	66.6	75.3	81.8	83.6	89.5	93.9	95.3	96.6	98.0	98.1	99.4	99.4
4400	25.0	37.4	50.7	63.6	66.6	75.3	81.8	83.6	89.5	94.0	95.4	96.7	98.2	98.3	99.7	99.7
4600	25.0	37.4	50.7	63.6	66.6	75.3	81.8	83.6	89.5	94.0	95.4	96.7	98.2	98.3	99.7	99.7
4800	25.0	37.4	50.7	63.6	66.6	75.3	81.8	83.6	89.5	94.0	95.4	96.8	98.3	98.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

940

3408A

SA COLLE HERNANDEZ/CLEVA JAF

60-75

42

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

11.1	12.4	17.2	19.9	21.7	23.7	26.2	26.9	28.6	30.1	30.7	31.1	31.4	31.4	31.7
11.6	14.6	19.4	23.1	23.9	27.4	30.3	31.4	33.6	35.4	36.1	36.5	37.0	37.0	37.3
11.6	14.6	19.4	23.1	23.9	27.4	30.3	31.4	33.6	35.4	36.1	36.5	37.0	37.0	37.3
11.6	14.6	19.4	23.1	23.9	27.4	30.3	31.4	33.6	35.4	36.1	36.5	37.0	37.0	37.3
11.6	14.6	19.4	23.1	23.9	27.4	30.3	31.4	33.6	35.4	36.1	36.5	37.0	37.0	37.3
12.1	14.9	21.1	23.4	24.4	28.1	31.0	32.0	34.3	36.0	36.7	37.2	37.6	37.6	37.9
12.3	15.1	21.6	24.2	25.3	29.0	32.0	33.0	35.3	37.1	37.4	38.2	38.6	38.6	38.9
12.5	15.7	21.2	24.9	26.1	29.8	33.0	34.2	36.6	38.5	39.4	39.9	40.3	40.3	40.6
13.3	16.3	23.2	27.2	28.3	32.2	35.6	37.0	39.9	41.9	42.9	43.3	43.7	43.7	44.0
14.3	18.3	24.8	28.9	29.9	34.0	37.4	38.9	41.8	44.0	45.1	45.4	45.9	45.9	46.2
15.3	20.3	27.2	31.4	32.5	36.7	40.3	41.9	44.3	47.1	48.1	48.7	49.1	49.1	49.4
17.0	22.5	29.7	34.7	35.8	40.6	44.8	46.3	49.3	52.1	53.1	53.7	54.3	54.3	54.7
19.2	24.1	31.9	37.9	39.1	44.2	48.6	50.3	53.3	56.0	57.1	57.8	58.4	58.4	58.7
21.7	26.3	35.0	42.1	43.6	49.0	53.7	55.9	59.1	62.0	63.1	63.8	64.4	64.4	64.7
21.7	26.3	35.0	42.1	43.6	49.0	53.7	55.9	59.1	62.0	63.1	63.8	64.4	64.4	64.7
24.9	32.4	44.4	53.3	55.3	61.3	66.9	69.6	73.2	76.4	77.5	78.2	78.8	78.8	79.2
24.6	35.4	48.6	58.7	61.1	67.7	73.9	76.6	80.5	83.7	84.9	85.5	86.1	86.1	86.4
27.4	36.9	51.2	61.9	64.1	71.3	77.3	80.3	84.3	87.7	88.8	89.4	90.1	90.1	90.4
27.8	37.5	52.2	62.9	65.2	72.9	79.2	81.9	85.9	89.0	90.2	90.8	91.4	91.4	91.7
28.1	37.8	52.9	64.0	66.4	74.3	80.8	83.5	87.6	91.1	92.3	93.0	93.6	93.6	93.9
29.4	38.1	53.5	65.2	67.7	75.9	82.7	85.7	90.2	93.7	94.9	95.5	96.2	96.2	96.5
29.5	38.2	53.6	65.3	67.8	76.2	83.3	86.3	91.0	94.6	95.9	96.5	97.2	97.2	97.5
29.5	38.2	53.6	65.3	67.8	76.2	83.3	86.3	91.1	94.7	96.1	96.6	97.4	97.4	97.7
29.5	38.2	53.6	65.3	67.8	76.2	83.3	86.3	91.1	94.9	96.2	96.8	97.7	97.7	98.0
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.2	96.6	97.2	98.2	98.2	98.5
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3	67.9	76.3	83.5	86.5	91.6	95.4	96.8	97.4	98.4	98.4	98.7
29.5	38.2	53.6	65.3											

TOTAL NUMBER OF OBSERVATIONS

345

USAFETAC.

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS:

1250-1400

14.1	16.7	21.2	23.7	24.3	25.1	26.4	26.5	27.3	28.5	28.6	28.6	27.8	28.3	28.9
17.4	20.9	26.6	30.2	30.8	32.1	33.4	33.6	34.9	36.4	36.5	36.5	36.8	36.8	36.5
17.4	20.9	26.6	30.1	30.8	32.1	33.4	33.6	34.9	36.4	36.5	36.5	36.8	36.8	36.5
17.5	21.1	26.7	30.1	30.9	32.2	33.5	33.7	35.0	36.5	36.7	36.7	36.9	36.9	36.9
17.6	21.1	26.8	30.2	31.0	32.3	33.6	33.8	35.1	36.7	36.8	36.8	37.0	37.0	37.0
17.9	21.4	27.1	30.9	31.6	32.8	34.1	34.3	35.6	37.2	37.3	37.3	37.5	37.5	37.5
18.0	21.5	27.2	30.8	31.8	33.2	34.5	34.7	36.0	37.6	37.7	37.7	37.9	37.9	38.0
18.1	21.7	27.6	31.4	32.3	33.9	35.3	35.5	36.8	38.3	38.5	38.5	38.7	38.7	38.9
20.0	23.7	29.9	33.6	34.7	36.5	38.2	38.6	39.9	41.6	41.7	41.7	41.9	41.9	42.1
21.2	25.0	31.5	35.2	36.3	38.1	40.0	40.4	41.7	43.4	43.5	43.5	43.8	43.8	43.9
22.7	26.7	33.6	37.8	39.0	41.0	43.0	43.4	44.7	46.4	46.5	46.5	46.7	46.7	46.9
24.7	28.9	36.4	41.4	42.5	44.9	46.9	47.4	48.7	50.5	50.6	50.6	50.8	50.8	51.0
25.9	32.2	40.4	45.4	46.7	48.6	51.2	51.6	53.0	54.8	54.9	54.9	55.1	55.1	55.2
29.4	35.2	44.0	49.4	50.6	52.9	55.2	55.9	57.5	59.3	59.4	59.4	59.6	59.6	59.7
33.1	39.8	50.5	56.5	57.7	60.1	62.5	63.2	64.9	66.7	66.8	66.8	67.1	67.1	67.2
39.2	46.8	58.7	65.7	67.3	69.6	72.1	72.9	74.5	76.4	76.5	76.5	76.7	76.7	76.8
43.9	52.9	66.2	75.1	76.8	79.2	82.1	82.9	85.1	87.0	87.1	87.1	87.3	87.3	87.4
45.9	55.7	70.3	79.4	81.4	84.1	87.1	87.9	90.3	92.5	92.6	92.6	92.8	92.8	92.9
46.1	56.0	71.1	80.2	82.1	84.9	88.0	88.9	91.2	93.4	93.5	93.5	93.8	93.8	93.9
46.7	56.8	72.2	81.8	83.8	86.9	90.1	91.0	93.3	95.6	95.7	95.7	95.9	95.9	96.0
47.0	57.2	72.8	82.6	84.7	88.1	91.8	92.7	95.3	97.6	97.7	97.7	97.9	97.9	98.0
47.8	57.2	72.8	82.6	84.7	88.1	92.5	93.5	96.5	98.7	98.8	98.8	99.0	99.0	99.2
47.0	57.2	72.9	82.7	84.9	88.0	92.7	93.8	96.7	98.9	99.0	99.0	99.3	99.3	99.4
47.0	57.2	73.0	82.8	85.0	88.7	92.8	93.9	96.8	99.2	99.3	99.3	99.5	99.5	99.6
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.3	99.4	99.4	99.6	99.6	99.7
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9	85.1	88.8	92.9	94.0	96.9	99.4	99.5	99.5	99.7	99.7	99.8
47.0	57.2	73.0	82.9											

TOTAL NUMBER OF OBSERVATIONS

944

CEILING VERSUS VISIBILITY

22

15-17-1

[illegible]

912

0-14 SOL 1: FEBRUARY 1962 DEPT OF COMMERCE - BOSTON

;

CEILING VERSUS VISIBILITY

34C08 SALTZBERG GERMANY/COLEMAN AAF

61-74

53

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

14-00000

[illegible]

TOTAL NUMBER OF OBSERVATIONS

USAFETAC

0 14 5 -OL 1 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

خود

2100-2300

20

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34068 SA DUEFFEL GERMANY/COLEMAN AAF

60-64

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

ELEVATION FEET		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
0	100	17.9	15.1	21.8	22.7	23.5	26.1	25.9	26.9	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	29.4	
0	200	12.6	16.5	26.1	26.9	29.4	31.9	32.8	32.8	32.8	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	35.3	
0	400	12.6	19.3	26.9	27.7	30.3	32.8	33.6	33.6	33.6	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	36.1	
0	600	12.6	19.3	26.9	27.7	30.3	32.8	33.6	33.6	33.6	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	36.1	
0	800	12.6	19.3	26.9	27.7	30.3	32.8	33.6	33.6	33.6	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	36.1	
0	1000	12.6	20.2	27.7	28.6	31.9	34.5	35.3	35.3	35.3	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.8	
0	1200	12.6	20.2	28.6	29.4	32.8	37.0	37.8	37.8	37.8	39.5	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	41.2	
0	1400	13.4	21.8	30.3	31.9	35.3	39.5	40.3	40.3	40.3	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	43.7	
0	1600	13.4	21.8	30.3	32.8	37.0	42.0	42.9	42.9	44.5	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	46.2	
0	1800	13.4	22.7	31.9	35.3	39.5	44.5	45.4	45.4	47.1	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	48.7	
0	2000	14.3	23.5	34.5	37.8	42.0	47.1	47.9	47.9	47.9	49.6	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	51.3	
0	2200	16.8	27.7	39.5	42.7	47.9	52.9	53.8	53.8	55.5	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	57.1	
0	2400	17.6	29.4	43.7	47.9	52.1	57.1	58.0	58.0	59.7	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	61.3	
0	2600	20.2	31.9	49.6	57.1	61.3	67.2	68.1	68.1	69.7	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	71.4	
0	2800	21.0	33.6	53.8	62.2	67.2	73.9	74.8	74.8	76.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	78.2	
0	3000	21.8	35.3	59.7	69.7	75.6	82.4	84.0	84.0	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	88.2	
0	3200	21.8	36.1	60.5	71.4	78.2	85.7	88.2	88.2	90.8	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	92.4	
0	3400	21.8	37.0	62.2	73.1	79.8	88.2	90.8	90.8	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	95.3	
0	3600	21.8	37.0	62.2	73.1	79.8	88.2	90.8	90.8	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	95.3	
0	3800	21.8	37.0	62.2	73.1	79.8	88.2	90.8	90.8	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	95.3	
0	4000	21.8	37.0	62.2	73.1	79.8	88.2	90.8	90.8	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	95.3	
0	4200	21.8	37.0	62.2	73.1	79.8	88.2	90.8	90.8	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	95.3	
0	4400	21.8	37.0	62.2	73.1	79.8	88.2	90.8	90.8	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	95.3	
0	4600	21.8	37.0	62.2	73.1	79.8	88.2	90.8	90.8	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	95.3	
0	4800	21.8	37.0	62.2	73.1	79.8	88.2	90.8	90.8	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	95.3	
0	5000	21.8	37.0	62.2	73.1	79.8	88.2	90.8	90.8	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	95.3	
0	5200	21.8	37.0	62.2	73.1	79.8	88.2	90.8	90.8	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	95.3	
0	5400	21.8	37.0	62.2	73.1	79.8	88.2	90.8	90.8	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	95.3	
0	5600	21.8	37.0	62.2	73.1	79.8	88.2	90.8	90.8	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	95.3	
0	5800	21.8	37.0	62.2	73.1	79.8	88.2	90.8	90.8	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	95.3	
0	6000	21.8	37.0	62.2	73.1	79.8	88.2	90.8	90.8	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	95.3	
0	6200	21.8	37.0	62.2	73.1	79.8	88.2	90.8	90.8	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	95.3	
0	6400	21.8	37.0	62.2	73.1	79.8	88.2	90.8	90.8	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	95.3	
0	6600	21.8	37.0	62.2	73.1	79.8	88.2	90.8	90.8	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	95.3	
0	6800	21.8	37.0	62.2	73.1	79.8	88.2	90.8	90.8	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	95.3	
0	7000	21.8	37.0	62.2	73.1	79.8	88.2	90.8	90.8	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	95.3	
0	7200	21.8	37.0	62.2	73.1	79.8	88.2	90.8	90.8	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	95.3	
0	7400	21.8	37.0	62.2	73.1	79.8	88.2	90.8	90.8	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	95.3	
0	7600	21.8	37.0	62.2	73.1	79.8	88.2	90.8	90.8	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1		

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34068

SANDHOFEN GERMANY/COLEMAN AAF

60-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	7	8	9	10	11
1000	12.2	16.3	20.5	23.8	25.8	27.7	29.6	29.8	30.6	31.0	31.1	31.2	31.3	31.3	31.9	
900	14.3	19.5	24.6	28.4	30.6	32.2	33.4	33.8	34.6	37.1	37.2	37.4	37.5	37.5	38.5	
800	14.3	19.5	24.6	28.4	30.6	32.2	33.4	33.8	34.6	37.1	37.2	37.4	37.5	37.5	38.5	
700	14.5	19.7	24.8	28.6	30.8	32.4	33.6	34.0	34.8	37.3	37.4	37.6	37.7	37.7	38.7	
600	14.6	19.9	25.0	29.0	31.2	33.8	36.1	36.4	37.3	37.7	37.8	38.0	38.1	38.1	39.1	
500	15.0	20.5	25.6	29.8	32.0	34.6	36.8	37.2	38.0	38.5	38.6	38.8	38.9	38.9	39.9	
400	15.3	21.1	26.5	31.0	33.3	35.9	38.1	38.5	39.3	40.0	40.1	40.3	40.5	40.5	41.6	
300	15.7	22.1	27.8	32.3	34.6	37.5	39.8	40.1	41.1	41.7	41.8	42.0	42.3	42.3	43.3	
200	18.0	24.7	32.1	37.2	39.5	42.9	45.3	45.7	46.9	47.7	47.8	48.1	48.3	48.3	49.4	
100	19.8	27.1	35.0	40.6	43.1	46.8	49.3	49.7	51.0	51.9	52.0	52.3	52.5	52.5	53.6	
0	20.5	28.3	36.9	42.9	45.6	49.5	52.3	52.9	54.3	55.3	55.4	55.7	55.9	55.9	57.0	
1000	22.2	31.0	40.6	46.9	49.7	53.7	56.7	57.4	59.0	60.0	60.1	60.5	60.7	60.7	61.8	
900	23.3	32.6	43.0	49.8	52.8	56.9	60.1	60.9	62.6	63.6	63.7	64.0	64.4	64.4	65.4	
800	24.8	33.3	47.0	53.1	58.5	63.1	66.5	67.3	69.2	70.2	70.3	70.6	71.0	71.1	72.2	
700	26.8	38.2	51.0	59.5	63.1	67.8	71.4	72.3	74.3	75.4	75.5	75.8	76.2	76.3	77.4	
600	29.5	40.0	53.8	63.7	67.5	72.6	76.5	77.4	79.7	80.9	81.0	81.4	81.7	81.8	82.9	
500	30.0	42.0	56.7	68.5	72.5	78.1	82.2	83.1	86.2	87.4	87.8	88.1	88.4	88.5	89.6	
400	30.3	42.7	57.7	69.8	74.2	80.2	84.5	85.5	89.3	90.7	91.0	91.3	91.7	91.8	92.9	
300	30.3	42.7	58.1	70.2	75.0	81.0	85.6	86.6	90.6	92.1	92.4	92.7	93.1	93.2	94.3	
200	30.6	43.2	59.2	71.5	76.4	82.6	87.6	88.6	93.4	95.0	95.3	95.7	96.1	96.2	97.3	
100	30.6	43.3	59.3	71.9	77.1	83.3	88.4	89.5	94.4	96.0	96.3	96.6	97.1	97.2	98.3	
0	30.6	43.6	59.5	72.2	77.4	83.5	88.6	89.7	94.6	96.2	96.5	96.9	97.3	97.4	98.5	
1000	30.6	43.6	59.5	72.2	77.4	83.5	88.6	89.7	94.6	96.2	96.5	96.9	97.3	97.4	98.5	
900	30.6	43.6	59.5	72.2	77.4	83.5	88.6	89.7	94.6	96.2	96.5	96.9	97.3	97.4	98.5	
800	30.6	43.6	59.5	72.2	77.4	83.5	88.6	89.7	94.6	96.2	96.5	96.9	97.3	97.4	98.5	
700	30.6	43.6	59.5	72.2	77.4	83.5	88.6	89.7	94.6	96.2	96.5	96.9	97.3	97.4	98.5	
600	30.6	43.6	59.5	72.2	77.4	83.5	88.6	89.7	94.6	96.2	96.5	96.9	97.3	97.4	98.5	
500	30.6	43.6	59.5	72.2	77.4	83.5	88.6	89.7	94.6	96.2	96.5	96.9	97.3	97.4	98.5	
400	30.6	43.6	59.5	72.2	77.4	83.5	88.6	89.7	94.6	96.2	96.5	96.9	97.3	97.4	98.5	
300	30.6	43.6	59.5	72.2	77.4	83.5	88.6	89.7	94.6	96.2	96.5	96.9	97.3	97.4	98.5	
200	30.6	43.6	59.5	72.2	77.4	83.5	88.6	89.7	94.6	96.2	96.5	96.9	97.3	97.4	98.5	
100	30.6	43.6	59.5	72.2	77.4	83.5	88.6	89.7	94.6	96.2	96.5	96.9	97.3	97.4	98.5	
0	30.6	43.6	59.5	72.2	77.4	83.5	88.6	89.7	94.6	96.2	96.5	96.9	97.3	97.4	98.5	

TOTAL NUMBER OF OBSERVATIONS

923

USAFETAC

FORM
JUL 54

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34068 SA DHUFEN GERMANY/COLEMAN AAF 60-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
NO LESS THAN	15.4	19.9	24.3	25.6	27.2	28.6	29.6	29.8	30.6	30.6	30.7	30.7	30.8	30.8	30.9	
IV 2500	19.6	24.1	29.9	32.1	33.5	35.8	36.8	37.0	37.8	37.9	38.2	38.1	38.2	38.2	38.2	
IV 1800	19.6	24.1	29.9	32.1	33.5	35.8	36.8	37.0	37.8	37.9	38.0	38.1	38.2	38.2	38.2	
IV 1500	19.8	24.3	30.2	32.3	33.8	36.0	37.0	37.2	38.1	38.2	38.3	38.4	38.5	38.5	38.6	
IV 1400	19.8	24.3	30.3	32.5	34.0	36.2	37.2	37.5	38.3	38.4	38.5	38.6	38.7	38.7	38.8	
IV 1200	19.8	24.4	30.4	32.7	34.2	36.4	37.5	37.7	38.5	38.6	38.7	38.8	38.9	38.9	39.0	
IV 1000	20.5	25.4	31.6	34.2	35.7	38.0	39.0	39.3	40.1	40.3	40.4	40.5	40.6	40.6	40.7	
IV 900	21.1	26.1	32.4	35.0	36.5	38.9	40.2	40.4	41.7	41.9	42.0	42.1	42.2	42.2	42.3	
IV 800	23.2	28.9	35.3	38.2	39.7	42.2	43.7	43.9	45.2	45.4	45.5	45.6	45.7	45.7	45.8	
IV 700	24.7	30.6	37.7	41.4	43.2	46.0	47.5	47.7	49.0	49.2	49.3	49.4	49.5	49.5	49.6	
IV 600	26.9	32.5	39.8	44.3	46.5	49.7	51.3	51.5	52.8	53.0	53.1	53.2	53.3	53.3	53.4	
IV 500	27.9	34.6	43.0	48.3	50.7	54.1	55.7	56.0	57.4	57.6	57.7	57.8	57.9	57.9	58.0	
IV 450	29.3	36.2	45.5	51.1	53.5	57.0	58.7	59.0	60.6	60.8	61.0	61.1	61.3	61.3	61.4	
IV 400	31.0	38.2	48.1	54.0	56.7	60.5	62.4	62.8	64.8	65.0	65.2	65.4	65.6	65.6	65.7	
IV 350	34.1	41.6	52.3	58.7	61.6	65.6	67.5	67.8	69.8	70.1	70.3	70.5	70.7	70.7	70.8	
IV 300	37.5	45.8	58.1	65.2	68.1	72.2	74.4	74.7	76.7	76.9	77.1	77.4	77.6	77.6	77.7	
IV 250	41.2	50.4	65.1	74.0	77.4	82.1	84.7	85.2	87.2	87.6	87.8	88.0	88.3	88.3	88.4	
IV 200	43.0	52.6	68.3	78.4	81.9	87.0	89.9	90.6	92.8	93.2	93.4	93.7	93.9	93.9	94.0	
IV 1800	43.2	53.0	68.7	78.8	82.3	87.4	90.6	91.2	93.4	93.9	94.1	94.3	94.5	94.5	94.6	
IV 1500	43.4	53.4	69.6	80.1	83.6	88.8	92.3	93.2	95.7	96.2	96.4	96.6	96.8	96.8	96.9	
IV 1200	43.4	53.7	70.2	81.0	84.4	89.7	93.2	94.2	96.6	97.1	97.4	97.6	97.8	97.8	97.9	
IV 1000	43.4	53.7	70.2	81.1	84.6	89.8	93.3	94.4	96.9	97.6	97.8	98.0	98.2	98.2	98.4	
IV 900	43.4	53.7	70.2	81.1	84.6	89.8	93.3	94.4	96.9	97.6	97.8	98.0	98.2	98.2	98.4	
IV 800	43.4	53.7	70.3	81.4	84.9	90.2	93.8	94.8	97.4	98.0	98.3	98.6	98.8	98.8	99.0	
IV 700	43.4	53.7	70.3	81.4	84.9	90.2	93.8	94.9	97.5	98.2	98.5	98.8	99.0	99.0	99.3	
IV 600	43.4	53.7	70.3	81.4	84.9	90.2	93.9	95.1	97.8	98.5	98.8	99.2	99.4	99.4	99.5	
IV 500	43.4	53.7	70.3	81.4	84.9	90.2	93.9	95.1	97.8	98.5	98.8	99.2	99.4	99.4	99.5	
IV 400	43.4	53.7	70.3	81.4	84.9	90.2	93.9	95.1	97.9	98.6	98.9	99.3	99.5	99.5	100.0	
IV 300	43.4	53.7	70.3	81.4	84.9	90.2	93.9	95.1	97.9	98.6	98.9	99.3	99.5	99.5	100.0	
IV 200	43.4	53.7	70.3	81.4	84.9	90.2	93.9	95.1	97.9	98.6	98.9	99.3	99.5	99.5	100.0	
IV 100	43.4	53.7	70.3	81.4	84.9	90.2	93.9	95.1	97.9	98.6	98.9	99.3	99.5	99.5	100.0	
IV 0	43.4	53.7	70.3	81.4	84.9	90.2	93.9	95.1	97.9	98.6	98.9	99.3	99.5	99.5	100.0	

TOTAL: NUMBER OF OBSERVATIONS 945

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34068

SANDHOFEN GERMANY/COLEMAN AAF

60-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200=1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
10000	21.4	24.0	26.5	28.8	29.3	29.9	30.2	30.5	30.6	30.6	30.7	30.6	30.8	30.8	30.8	30.8
9000	25.6	29.5	32.6	35.6	36.2	37.1	37.3	37.6	37.7	37.7	37.9	38.1	38.1	38.1	38.1	38.1
8000	26.6	29.5	32.6	35.6	36.2	37.1	37.3	37.6	37.7	37.7	37.9	38.1	38.1	38.1	38.1	38.1
7000	26.6	29.5	32.6	35.6	36.2	37.1	37.3	37.6	37.7	37.7	37.9	38.1	38.1	38.1	38.1	38.1
6000	26.6	29.5	32.6	35.6	36.2	37.1	37.3	37.6	37.7	37.7	37.9	38.1	38.1	38.1	38.1	38.1
5000	26.8	29.7	32.2	36.1	36.8	37.6	37.8	38.2	38.3	38.3	38.5	38.6	38.6	38.6	38.6	38.6
4000	28.2	31.1	34.7	37.7	38.4	39.4	39.6	39.9	40.0	40.0	40.2	40.3	40.3	40.3	40.3	40.3
3000	29.0	32.1	35.8	38.8	39.5	40.4	40.6	41.0	41.1	41.1	41.3	41.4	41.4	41.4	41.4	41.4
2000	31.7	35.1	39.2	42.5	43.1	44.1	44.3	44.6	44.8	44.8	45.0	45.1	45.1	45.1	45.1	45.1
1500	35.0	39.4	44.1	47.4	48.1	49.1	49.3	49.6	49.7	49.7	49.9	50.1	50.1	50.1	50.1	50.1
1000	36.6	41.1	46.4	49.8	50.6	51.6	51.8	52.1	52.2	52.2	52.4	52.5	52.5	52.5	52.5	52.5
800	39.8	44.4	49.7	53.4	54.2	55.1	55.4	55.7	55.8	55.8	56.0	56.1	56.1	56.1	56.1	56.1
600	42.4	47.7	53.5	57.3	58.2	59.1	59.5	59.8	59.9	59.9	60.1	60.2	60.2	60.2	60.2	60.2
400	44.8	50.3	56.4	60.3	61.3	62.5	62.8	63.1	63.2	63.2	63.5	63.6	63.6	63.6	63.6	63.6
300	50.7	56.9	64.2	68.4	69.5	70.7	71.0	71.4	71.6	71.6	71.8	71.9	71.9	71.9	71.9	71.9
200	55.4	62.6	70.5	75.1	76.2	77.7	78.1	78.5	78.7	78.7	78.9	79.0	79.0	79.0	79.0	79.0
100	62.7	71.6	81.2	86.8	88.2	89.8	90.2	90.6	90.8	90.8	91.0	91.2	91.2	91.2	91.2	91.2
0	63.9	73.4	86.0	90.5	91.9	93.8	94.1	94.6	94.9	95.0	95.2	95.5	95.5	95.5	95.5	95.5
10000	64.3	73.9	85.0	91.5	93.2	94.9	95.4	95.9	96.2	96.3	96.5	96.8	96.8	96.8	96.8	96.8
9000	64.9	74.6	86.3	92.9	94.7	96.6	97.1	97.6	97.9	98.1	98.3	98.5	98.5	98.5	98.5	98.5
8000	64.9	74.6	86.3	92.9	94.7	96.6	97.1	97.6	97.9	98.1	98.3	98.5	98.5	98.5	98.5	98.5
7000	64.9	74.6	86.3	92.9	94.7	96.6	97.1	97.6	97.9	98.1	98.3	98.5	98.5	98.5	98.5	98.5
6000	64.9	74.6	86.3	92.9	94.7	96.6	97.1	97.6	97.9	98.1	98.3	98.5	98.5	98.5	98.5	98.5
5000	64.9	74.6	86.3	92.9	94.7	96.6	97.1	97.6	97.9	98.1	98.3	98.5	98.5	98.5	98.5	98.5
4000	64.9	74.6	86.3	92.9	94.7	96.6	97.1	97.6	97.9	98.1	98.3	98.5	98.5	98.5	98.5	98.5
3000	64.9	74.6	86.3	92.9	94.7	96.6	97.1	97.6	97.9	98.1	98.3	98.5	98.5	98.5	98.5	98.5
2000	64.9	74.6	86.3	92.9	94.7	96.6	97.1	97.6	97.9	98.1	98.3	98.5	98.5	98.5	98.5	98.5
1000	64.9	74.6	86.3	92.9	94.7	96.6	97.1	97.6	97.9	98.1	98.3	98.5	98.5	98.5	98.5	98.5
0	64.9	74.6	86.3	92.9	94.7	96.6	97.1	97.6	97.9	98.1	98.3	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS

925

USAFETAC

FORM
JUL 74

0 14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34065 SAUFELDEN GERMANY/COLEMAN AAF

60-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
2000	26.6	27.6	28.8	28.9	29.0	29.3	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
1800	25.1	26.2	28.2	28.5	28.6	28.8	28.8	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
1600	35.1	36.4	38.5	38.6	38.7	38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
1400	35.1	36.4	38.5	38.6	38.7	38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
1200	35.2	36.5	38.6	38.7	38.8	39.0	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
1000	36.2	37.6	39.6	39.7	39.8	40.0	40.0	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
800	37.8	39.5	41.7	41.8	41.9	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
600	38.7	40.5	42.8	42.9	43.0	43.2	43.2	43.3	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4
400	42.6	44.6	47.0	47.1	47.2	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
200	47.3	49.7	52.4	52.5	52.7	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
100	49.1	51.6	54.7	55.0	55.3	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
0	52.2	55.2	58.6	59.1	59.3	59.6	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
2000	60.7	64.9	69.5	70.6	71.0	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
1800	66.5	71.5	77.1	78.5	78.8	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
1600	71.2	76.9	82.8	84.2	84.9	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
1400	75.3	82.4	89.3	91.6	91.9	92.7	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
1200	76.7	84.3	91.9	94.8	95.2	96.3	96.7	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
1000	76.8	84.4	92.2	93.3	96.0	97.1	97.5	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
800	77.2	84.9	92.7	96.3	97.2	98.4	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
600	77.4	85.1	92.9	96.9	97.8	99.0	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
400	77.4	85.1	92.9	96.9	97.8	99.0	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
200	77.4	85.1	92.9	97.0	97.9	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	77.4	85.1	92.9	97.0	97.9	99.2	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 892

1

0 14-5 POL 11 DEPT. OF POLICE - NEW YORK - DAN AHE - BR. LETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34068

SANDHOFEN GERMANY/COLEMAN AAF

60-64

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10
NO CEILING	4.2	6.7	11.8	17.6	24.4	26.1	26.9	26.9	27.7	29.4	29.4	29.4	29.4	29.4	29.4	29.4
10000	5.0	8.4	14.3	21.8	28.6	30.3	31.1	31.1	32.8	34.5	34.5	34.5	35.3	35.3	35.3	35.3
8000	5.0	8.4	13.1	22.7	29.4	31.1	31.9	31.9	33.6	35.3	35.3	35.3	36.1	36.1	36.1	36.1
6000	5.0	8.4	13.1	22.7	29.4	31.1	31.9	31.9	33.6	35.3	35.3	35.3	36.1	36.1	36.1	36.1
4000	5.0	8.4	13.1	22.7	29.4	31.1	31.9	31.9	33.6	35.3	35.3	35.3	36.1	36.1	36.1	36.1
2000	5.0	8.4	13.1	22.7	29.4	31.1	31.9	31.9	33.6	35.3	35.3	35.3	36.1	36.1	36.1	36.1
1000	5.0	10.1	16.8	24.4	31.9	34.5	35.3	35.3	37.0	38.7	38.7	38.7	39.5	39.5	39.5	39.5
800	5.0	10.1	16.8	24.4	31.9	34.5	35.3	35.3	37.0	38.7	38.7	38.7	39.5	39.5	39.5	39.5
600	6.7	11.8	21.0	28.6	36.1	38.7	39.5	39.5	41.2	42.9	42.9	42.9	43.7	43.7	43.7	43.7
400	7.6	13.4	24.4	33.6	41.2	44.5	45.4	45.4	47.1	48.7	48.7	48.7	49.6	49.6	49.6	49.6
200	7.6	13.4	24.4	33.6	41.2	44.5	45.4	45.4	47.1	48.7	48.7	48.7	49.6	49.6	49.6	49.6
100	10.1	17.6	30.3	42.0	49.6	54.6	56.3	56.3	58.8	60.5	60.5	61.3	62.2	62.2	62.2	62.2
80	10.9	20.2	33.6	47.1	54.6	59.7	61.3	61.3	63.9	67.2	67.2	68.1	68.9	68.9	68.9	68.9
60	11.8	21.0	37.0	50.4	58.8	63.9	65.5	65.5	71.4	73.1	73.1	73.9	74.8	74.8	74.8	74.8
40	13.4	23.5	41.2	54.6	63.9	69.7	71.4	71.4	78.2	80.7	80.7	81.5	82.4	82.4	82.4	82.4
20	13.1	26.1	48.7	63.9	73.1	79.8	82.4	82.4	89.9	93.3	93.3	94.1	95.0	95.0	95.0	95.0
10	13.1	26.1	48.7	63.9	73.1	79.8	82.4	82.4	89.9	93.3	93.3	94.1	95.0	95.0	95.0	95.0
5	13.1	26.1	48.7	63.9	73.1	79.8	82.4	82.4	89.9	93.3	93.3	94.1	95.0	95.0	95.0	95.0
3	13.1	26.1	48.7	63.9	73.1	79.8	82.4	82.4	89.9	93.3	93.3	94.1	95.0	95.0	95.0	95.0
2	13.1	26.1	48.7	63.9	73.1	79.8	82.4	82.4	89.9	93.3	93.3	94.1	95.0	95.0	95.0	95.0
1	13.1	26.1	48.7	63.9	73.1	79.8	82.4	82.4	89.9	93.3	93.3	94.1	95.0	95.0	95.0	95.0
0	13.1	26.1	48.7	63.9	73.1	79.8	82.4	82.4	89.9	93.3	93.3	94.1	95.0	95.0	95.0	95.0

TOTAL NUMBER OF OBSERVATIONS

119

USAFETAC

FORM 10-54

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34068 SAND-UFEN GERMANY/COLEMAN AAF

60-73

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0670-0800

		VISIBILITY (STATUTE MILES)															
		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
CEILING (FEET)	1000	15.2	20.7	27.6	31.4	33.0	35.0	35.8	36.1	37.5	37.6	37.6	37.6	38.0	38.0	38.1	
	900	17.8	23.9	31.7	36.4	38.2	40.0	41.6	42.2	43.6	43.7	43.7	43.7	44.2	44.2	44.2	
800	700	17.8	23.9	31.8	36.5	38.4	40.8	41.9	42.4	43.8	43.9	43.9	43.9	44.4	44.4	44.5	
	600	17.8	24.0	32.1	36.8	38.9	41.2	42.3	42.8	44.2	44.3	44.3	44.3	44.9	44.9	45.0	
500	400	17.8	24.0	32.1	36.8	38.9	41.2	42.3	42.8	44.2	44.3	44.3	44.3	44.9	44.9	45.0	
	300	18.2	24.7	32.9	37.6	39.6	42.2	43.3	43.8	45.2	45.3	45.3	45.3	45.8	45.8	45.9	
400	200	19.0	26.2	34.6	39.7	41.8	44.4	45.5	46.0	47.5	47.6	47.6	47.6	48.2	48.2	48.3	
	100	19.5	27.1	36.3	41.9	43.9	46.7	48.0	48.5	50.0	50.2	50.2	50.2	50.7	50.7	50.9	
300	0	22.1	30.7	40.5	46.4	48.6	52.1	53.7	54.3	56.0	56.2	56.2	56.2	56.7	56.7	56.9	
		25.1	35.3	46.4	52.6	55.4	59.4	61.2	61.8	63.8	64.0	64.0	64.0	64.6	64.6	64.7	
200		26.6	37.3	48.9	55.5	58.4	63.4	65.3	66.2	68.2	68.5	68.5	68.5	69.2	69.2	69.3	
		28.2	39.4	52.4	59.3	62.4	68.0	69.9	70.8	72.9	73.2	73.2	73.2	73.9	73.9	74.0	
100		29.2	41.0	54.7	62.1	65.2	71.0	73.0	74.0	76.2	76.7	76.7	76.7	77.3	77.3	77.4	
		30.1	42.2	56.7	64.7	68.3	74.3	76.4	77.4	79.7	80.2	80.2	80.2	80.8	80.8	80.9	
0		31.6	44.5	59.7	67.8	71.5	77.9	80.1	81.3	83.8	84.4	84.5	84.5	85.3	85.3	85.4	
		33.5	46.5	62.8	71.7	75.6	82.1	84.4	85.5	88.3	89.0	89.1	89.1	89.9	89.9	90.0	
		34.0	47.4	64.8	73.9	77.7	84.6	86.9	88.1	91.4	92.2	92.3	92.3	93.4	93.4	93.5	
		34.9	48.3	66.1	75.6	79.4	86.3	88.7	89.9	93.3	94.0	94.3	94.3	95.4	95.4	95.5	
		34.9	48.6	66.4	76.1	80.1	86.9	89.4	90.7	94.0	94.8	95.1	95.4	96.1	96.1	96.3	
		35.0	48.9	66.9	76.7	80.6	87.7	90.4	91.6	95.0	95.7	96.0	96.4	97.1	97.1	97.2	
		35.1	49.1	67.5	77.2	81.2	88.3	91.0	92.3	95.6	96.4	96.7	97.0	97.8	97.8	97.9	
		35.1	49.1	67.5	77.2	81.2	88.3	91.1	92.4	95.7	96.5	96.8	97.1	97.9	97.9	98.0	
		35.1	49.1	67.6	77.3	81.3	88.4	91.2	92.5	95.8	96.6	96.9	97.2	98.0	98.0	98.1	
		35.1	49.1	67.6	77.3	81.3	88.4	91.2	92.5	95.9	96.7	97.0	97.3	98.2	98.2	98.3	
		35.1	49.1	67.8	77.5	81.5	88.7	91.4	92.7	96.1	96.9	97.2	97.5	98.4	98.4	98.5	
		35.1	49.1	67.8	77.5	81.5	88.7	91.4	92.7	96.1	96.9	97.2	97.5	98.4	98.4	98.5	
		35.1	49.1	67.8	77.6	81.7	89.0	91.8	93.0	96.8	97.6	98.1	98.5	99.3	99.3	99.4	
		35.1	49.1	67.8	77.6	81.7	89.0	91.8	93.0	96.8	97.8	98.3	98.7	99.7	99.7	100.0	
		35.1	49.1	67.8	77.6	81.7	89.0	91.8	93.0	96.8	97.8	98.3	98.7	99.7	99.7	100.0	
		35.1	49.1	67.8	77.6	81.7	89.0	91.8	93.0	96.8	97.8	98.3	98.7	99.7	99.7	100.0	

TOTAL NUMBER OF OBSERVATIONS

934

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

34068 SANDHOFEN GERMANY/COLEMAN AAF

60-70

AY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING Feet	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355	360	365	370	375	380	385	390	395	400	405	410	415	420	425	430	435	440	445	450	455	460	465	470	475	480	485	490	495	500	505	510	515	520	525	530	535	540	545	550	555	560	565	570	575	580	585	590	595	600	605	610	615	620	625	630	635	640	645	650	655	660	665	670	675	680	685	690	695	700	705	710	715	720	725	730	735	740	745	750	755	760	765	770	775	780	785	790	795	800	805	810	815	820	825	830	835	840	845	850	855	860	865	870	875	880	885	890	895	900	905	910	915	920	925	930	935	940	945	950	955	960	965	970	975	980	985	990	995	1000	1005	1010	1015	1020	1025	1030	1035	1040	1045	1050	1055	1060	1065	1070	1075	1080	1085	1090	1095	1100	1105	1110	1115	1120	1125	1130	1135	1140	1145	1150	1155	1160	1165	1170	1175	1180	1185	1190	1195	1200	1205	1210	1215	1220	1225	1230	1235	1240	1245	1250	1255	1260	1265	1270	1275	1280	1285	1290	1295	1300	1305	1310	1315	1320	1325	1330	1335	1340	1345	1350	1355	1360	1365	1370	1375	1380	1385	1390	1395	1400	1405	1410	1415	1420	1425	1430	1435	1440	1445	1450	1455	1460	1465	1470	1475	1480	1485	1490	1495	1500	1505	1510	1515	1520	1525	1530	1535	1540	1545	1550	1555	1560	1565	1570	1575	1580	1585	1590	1595	1600	1605	1610	1615	1620	1625	1630	1635	1640	1645	1650	1655	1660	1665	1670	1675	1680	1685	1690	1695	1700	1705	1710	1715	1720	1725	1730	1735	1740	1745	1750	1755	1760	1765	1770	1775	1780	1785	1790	1795	1800	1805	1810	1815	1820	1825	1830	1835	1840	1845	1850	1855	1860	1865	1870	1875	1880	1885	1890	1895	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070	2075	2080	2085	2090	2095	2100	2105	2110	2115	2120	2125	2130	2135	2140	2145	2150	2155	2160	2165	2170	2175	2180	2185	2190	2195	2200	2205	2210	2215	2220	2225	2230	2235	2240	2245	2250	2255	2260	2265	2270	2275	2280	2285	2290	2295	2300	2305	2310	2315	2320	2325	2330	2335	2340	2345	2350	2355	2360	2365	2370	2375	2380	2385	2390	2395	2400	2405	2410	2415	2420	2425	2430	2435	2440	2445	2450	2455	2460	2465	2470	2475	2480	2485	2490	2495	2500	2505	2510	2515	2520	2525	2530	2535	2540	2545	2550	2555	2560	2565	2570	2575	2580	2585	2590	2595	2600	2605	2610	2615	2620	2625	2630	2635	2640	2645	2650	2655	2660	2665	2670	2675	2680	2685	2690	2695	2700	2705	2710	2715	2720	2725	2730	2735	2740	2745	2750	2755	2760	2765	2770	2775	2780	2785	2790	2795	2800	2805	2810	2815	2820	2825	2830	2835	2840	2845	2850	2855	2860	2865	2870	2875	2880	2885	2890	2895	2900	2905	2910	2915	2920	2925	2930	2935	2940	2945	2950	2955	2960	2965	2970	2975	2980	2985	2990	2995	3000	3005	3010	3015	3020	3025	3030	3035	3040	3045	3050	3055	3060	3065	3070	3075	3080	3085	3090	3095	3100	3105	3110	3115	3120	3125	3130	3135	3140	3145	3150	3155	3160	3165	3170	3175	3180	3185	3190	3195	3200	3205	3210	3215	3220	3225	3230	3235	3240	3245	3250	3255	3260	3265	3270	3275	3280	3285	3290	3295	3300	3305	3310	3315	3320	3325	3330	3335	3340	3345	3350	3355	3360	3365	3370	3375	3380	3385	3390	3395	3400	3405	3410	3415	3420	3425	3430	3435	3440	3445	3450	3455	3460	3465	3470	3475	3480	3485	3490	3495	3500	3505	3510	3515	3520	3525	3530	3535	3540	3545	3550	3555	3560	3565	3570	3575	3580	3585	3590	3595	3600	3605	3610	3615	3620	3625	3630	3635	3640	3645	3650	3655	3660	3665	3670	3675	3680	3685	3690	3695	3700	3705	3710	3715	3720	3725	3730	3735	3740	3745	3750	3755	3760	3765	3770	3775	3780	3785	3790	3795	3800	3805	3810	3815	3820	3825	3830	3835	3840	3845	3850	3855	3860	3865	3870	3875	3880	3885	3890	3895	3900	3905	3910	3915	3920	3925	3930	3935	3940	3945	3950	3955	3960	3965	3970	3975	3980	3985	3990	3995	4000	4005	4010	4015	4020	4025	4030	4035	4040	4045	4050	4055	4060	4065	4070	4075	4080	4085	4090	4095	4100	4105	4110	4115	4120	4125	4130	4135	4140	4145	4150	4155	4160	4165	4170	4175	4180	4185	4190	4195	4200	4205	4210	4215	4220	4225	4230	4235	4240	4245	4250	4255	4260	4265	4270	4275	4280	4285	4290	4295	4300	4305	4310	4315	4320	4325	4330	4335	4340	4345	4350	4355	4360	4365	4370	4375	4380	4385	4390	4395	4400	4405	4410	4415	4420	4425	4430	4435	4440	4445	4450	4455	4460	4465	4470	4475	4480	4485	4490	4495	4500	4505	4510	4515	4520	4525	4530	4535	4540	4545	4550	4555	4560	4565	4570	4575	4580	4585	4590	4595	4600	4605	4610	4615	4620	4625	4630	4635	4640	4645	4650	4655	4660	4665	4670	4675	4680	4685	4690	4695	4700	4705	4710	4715	4720	4725	4730	4735	4740	4745	4750	4755	4760	4765	4770	4775	4780	4785	4790	4795	4800	4805	4810	4815	4820	4825	4830	4835	4840	4845	4850	4855	4860	4865	4870	4875	4880	4885	4890	4895	4900	4905	4910	4915	4920	4925	4930	4935	4940	4945	4950	4955	4960	4965	4970	4975	4980	4985	4990	4995	5000	5005	5010	5015	5020	5025	5030	5035	5040	5045	5050	5055	5060	5065	5070	5075	5080	5085	5090	5095	5100	5105	5110	5115	5120	5125	5130	5135	5140	5145	5150	5155	5160	5165	5170	5175	5180	5185	5190	5195	5200	5205	5210	5215	5220	52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DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/YAC

CEILING VERSUS VISIBILITY

34068

SAND-LOPEL GERMANY/COLEMAN AAF

60-70

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1200-1400

CEILING	20	30	40	50	60	70	80	90	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
20	26.9	30.0	32.4	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
30	33.8	37.9	40.5	40.8	40.9	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
40	33.8	37.9	40.5	40.8	40.9	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
50	34.1	38.2	40.8	41.1	41.2	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
60	34.5	38.8	41.3	41.7	41.8	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
70	35.7	39.9	42.6	43.0	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
80	37.1	41.4	44.2	44.7	44.8	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
90	41.0	45.8	48.5	49.5	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
100	44.0	48.8	51.9	52.5	52.8	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
120	46.0	51.0	54.2	54.9	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
140	49.7	53.0	58.7	59.4	59.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
160	52.9	58.6	62.6	63.5	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
180	59.7	65.8	70.2	71.4	71.5	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
200	66.0	72.9	78.4	80.7	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
250	72.4	80.6	86.7	89.1	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
300	75.2	83.8	91.0	93.6	94.2	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
350	75.3	83.2	92.4	93.1	93.7	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
400	76.4	85.4	92.6	95.4	96.0	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
450	75.6	83.8	93.1	96.0	96.5	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
500	76.7	85.9	93.6	96.5	97.0	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
550	76.9	86.2	94.2	97.0	97.7	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
600	75.9	86.2	94.2	97.0	97.7	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
650	76.9	86.3	94.4	97.2	97.9	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
700	76.9	86.4	94.5	97.4	98.0	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
750	76.9	86.4	94.5	97.4	98.0	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
800	76.9	86.4	94.5	97.4	98.0	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
850	76.9	86.4	94.5	97.4	98.0	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
900	76.9	86.4	94.5	97.4	98.0	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
950	76.9	86.4	94.5	97.4	98.0	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
1000	76.9	86.4	94.5	97.4	98.0	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS

944

USAFETAC

FORM 7-64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

44

1500-1700

911

CEILING VERSUS VISIBILITY

 $\frac{1}{2}$

1800-2000

700

CEILING VERSUS VISIBILITY

10

0306-0500

14.6	14.6	21.4	28.2	32.0	37.9	40.8	41.7	43.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
15.5	15.5	26.2	33.9	39.8	45.6	48.5	49.5	51.5	52.4	52.4	52.4	52.4	52.4	52.4	52.4
15.5	15.5	26.2	33.9	39.8	45.6	48.5	49.5	51.5	52.4	52.4	52.4	52.4	52.4	52.4	52.4
16.5	16.5	27.2	36.9	40.8	46.6	49.5	52.5	52.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
16.5	16.5	27.2	36.9	40.8	47.6	50.5	51.5	53.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
16.5	16.5	27.2	36.9	40.8	47.6	50.5	51.5	53.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
17.5	18.4	29.1	39.8	44.7	51.5	54.4	55.3	57.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
17.5	18.4	30.1	40.8	45.6	52.4	55.3	56.3	58.3	59.2	59.2	59.2	59.2	59.2	59.2	59.2
20.4	21.4	33.9	46.6	51.5	58.3	61.2	62.1	64.1	65.0	65.0	65.0	65.0	65.0	65.0	65.0
20.4	22.3	37.9	49.5	54.4	61.2	64.1	65.0	68.0	68.9	68.9	68.9	68.9	68.9	68.9	68.9
22.3	24.3	39.8	51.5	56.3	63.1	66.0	67.0	69.9	70.9	70.9	70.9	70.9	70.9	70.9	71.8
23.3	26.2	42.7	54.4	59.2	66.0	68.9	69.9	72.8	73.8	73.8	73.8	73.8	73.8	73.8	74.7
23.3	26.2	42.7	56.3	61.2	68.0	70.9	71.8	74.8	75.7	75.7	75.7	75.7	75.7	75.7	76.7
25.2	26.2	47.6	61.2	66.0	73.8	76.7	77.7	81.6	82.5	82.5	82.5	82.5	82.5	82.5	84.5
25.2	28.2	48.5	62.1	67.0	74.8	78.6	79.6	83.5	85.4	85.4	85.4	85.4	85.4	85.4	86.4
25.2	28.2	48.5	62.1	68.0	76.7	81.6	82.5	86.4	88.3	88.3	88.3	88.3	88.3	88.3	89.3
26.2	29.1	50.5	63.1	69.9	80.6	85.4	86.4	91.3	93.2	93.2	93.2	93.2	93.2	93.2	94.2
26.2	29.1	50.5	65.0	69.9	80.6	85.4	86.4	91.3	94.2	94.2	94.2	94.2	94.2	94.2	95.1
26.2	29.1	50.5	65.0	69.9	80.6	85.4	86.4	91.3	94.2	94.2	94.2	94.2	94.2	94.2	95.1
27.2	30.1	51.5	67.0	71.8	82.5	87.4	88.3	93.2	96.1	96.1	96.1	96.1	96.1	96.1	97.1
27.2	30.1	52.4	68.0	72.8	83.5	88.3	89.3	94.2	97.1	97.1	97.1	97.1	97.1	97.1	98.1
27.2	30.1	52.4	68.0	72.8	83.5	88.3	89.3	94.2	97.1	97.1	97.1	97.1	97.1	97.1	98.1
27.2	30.1	52.4	68.0	72.8	83.5	88.3	89.3	94.2	97.1	97.1	97.1	97.1	97.1	97.1	98.1
27.2	30.1	52.4	68.0	72.8	83.5	88.3	89.3	94.2	97.1	97.1	97.1	97.1	97.1	97.1	98.1
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1	98.1	98.1	98.1	98.1	99.0
27.2	30.1	52.4	68.0	72.8	84.5	89.3	90.3	95.1	98.1	98.1</					

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0-14-5 (OL 1) DEPT OF JUSTICE, OFFICE OF THE ATTORNEY GENERAL, FBI

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34068 SAEHOFEN GERMANY/CELESTIAN AAF

60-70

4-1

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0900

CEILING	19.7	23.4	31.2	36.4	39.7	42.6	44.7	45.0	45.4	46.1	46.2	46.3	46.3	46.4
19.7	22.9	27.1	26.4	42.7	46.8	49.9	52.3	52.5	53.0	54.3	54.5	54.6	54.6	54.8
23.4	23.1	27.2	35.5	42.8	46.9	50.0	52.4	52.6	53.1	54.5	54.4	54.7	54.7	54.9
31.2	23.1	27.2	26.5	42.8	46.9	50.0	52.4	52.6	53.1	54.5	54.6	54.7	54.7	54.9
36.4	23.1	27.2	36.6	42.9	47.0	50.2	52.6	52.9	53.3	54.7	54.8	54.9	54.9	55.1
39.7	23.4	27.9	27.4	43.8	47.9	51.1	53.5	53.8	54.2	55.6	55.7	55.8	55.8	56.1
42.6	23.7	28.2	38.0	44.4	48.5	51.9	54.3	54.6	55.0	56.4	56.5	56.6	56.6	56.8
44.7	24.8	29.3	39.7	46.6	50.7	54.2	56.7	57.0	57.5	59.0	59.1	59.2	59.2	59.5
45.0	25.5	31.4	42.8	49.9	54.8	58.6	61.1	61.3	62.0	63.6	63.7	63.8	63.8	64.1
45.4	28.5	33.7	46.1	54.2	58.9	62.0	65.8	66.0	66.8	68.4	68.5	68.6	68.7	68.9
46.1	29.7	35.5	48.7	57.2	62.0	66.3	69.1	69.3	70.1	71.7	71.9	72.0	72.1	72.4
46.2	32.4	38.9	52.9	62.2	67.5	72.0	74.8	75.1	75.9	77.6	77.9	78.0	78.1	78.3
46.3	33.3	40.1	54.5	64.0	69.4	74.0	76.8	77.3	78.1	79.9	80.1	80.3	80.4	80.6
46.3	34.4	41.2	56.4	66.4	72.0	76.8	79.7	80.1	81.5	83.3	83.7	83.8	84.0	84.2
46.4	35.3	42.5	58.1	68.5	74.1	79.0	82.1	82.5	84.1	86.0	86.3	86.4	86.6	86.9
46.8	36.2	43.4	59.4	70.1	75.8	81.1	84.2	84.7	86.4	88.4	88.7	88.9	89.2	89.4
46.9	37.6	44.7	60.8	71.9	77.7	83.4	86.9	87.3	89.0	91.4	91.8	92.0	92.2	92.5
47.0	38.8	46.3	62.8	74.3	80.3	86.1	89.5	90.0	91.8	94.4	94.9	95.1	95.3	95.5
47.9	38.9	46.5	62.9	74.4	80.4	86.2	89.7	90.2	92.0	94.6	95.1	95.3	95.5	95.8
48.5	39.2	46.9	63.5	75.6	81.7	87.9	91.3	92.0	93.8	96.9	97.3	97.7	97.9	98.2
49.9	39.2	47.0	63.6	75.7	81.8	88.0	91.4	92.1	93.9	97.0	97.6	97.8	98.1	98.3
50.0	39.2	47.1	63.8	75.9	82.1	88.2	91.7	92.4	94.2	97.4	97.9	98.2	98.5	98.7
50.2	39.2	47.1	63.8	75.9	82.1	88.2	91.7	92.5	94.3	97.5	98.1	98.3	98.7	99.0
50.7	39.3	47.3	63.9	76.0	82.2	88.3	92.0	92.8	94.6	97.8	98.4	98.6	99.1	99.3
51.1	39.3	47.3	63.9	76.0	82.2	88.3	92.0	92.8	94.6	97.8	98.4	98.6	99.1	99.3
51.9	39.3	47.3	63.9	76.0	82.2	88.3	92.0	92.8	94.6	97.8	98.4	98.6	99.1	99.3
52.3	39.3	47.3	63.9	76.0	82.2	88.3	92.0	92.8	94.6	97.8	98.4	98.6	99.1	99.3
52.6	39.3	47.3	63.9	76.0	82.2	88.3	92.0	92.8	94.6	97.8	98.4	98.6	99.1	99.3
52.9	39.3	47.3	63.9	76.0	82.2	88.3	92.0	92.8	94.6	97.8	98.4	98.6	99.1	99.3
53.3	39.3	47.3	63.9	76.0	82.2	88.3	92.0	92.8	94.6	97.8	98.4	98.6	99.1	99.3
53.5	39.3	47.3	63.9	76.0	82.2	88.3	92.0	92.8	94.6	97.8	98.4	98.6	99.1	99.3
53.8	39.3	47.3	63.9	76.0	82.2	88.3	92.0	92.8	94.6	97.8	98.4	98.6	99.1	99.3
54.2	39.3	47.3	63.9	76.0	82.2	88.3	92.0	92.8	94.6	97.8	98.4	98.6	99.1	99.3
54.5	39.3	47.3	63.9	76.0	82.2	88.3	92.0	92.8	94.6	97.8	98.4	98.6	99.1	99.3
54.6	39.3	47.3	63.9	76.0	82.2	88.3	92.0	92.8	94.6	97.8	98.4	98.6	99.1	99.3
54.7	39.3	47.3	63.9	76.0	82.2	88.3	92.0	92.8	94.6	97.8	98.4	98.6	99.1	99.3
54.8	39.3	47.3	63.9	76.0	82.2	88.3	92.0	92.8	94.6	97.8	98.4	98.6	99.1	99.3
54.9	39.3	47.3	63.9	76.0	82.2	88.3	92.0	92.8	94.6	97.8	98.4	98.6	99.1	99.3
55.1	39.3	47.3	63.9	76.0	82.2	88.3	92.0	92.8	94.6	97.8	98.4	98.6	99.1	99.3
55.6	39.3	47.3	63.9	76.0	82.2	88.3	92.0	92.8	94.6	97.8	98.4	98.6	99.1	99.3
55.8	39.3	47.3	63.9	76.0	82.2	88.3	92.0	92.8	94.6	97.8	98.4	98.6	99.1	99.3
56.1	39.3	47.3	63.9	76.0	82.2	88.3	92.0	92.8	94.6	97.8	98.4	98.6	99.1	99.3
56.8	39.3	47.3	63.9	76.0	82.2	88.3	92.0	92.8	94.6	97.8	98.4	98.6	99.1	99.3
59.2	39.3	47.3	63.9	76.0	82.2	88.3	92.0	92.8	94.6	97.8	98.4	98.6	99.1	99.3
59.5	39.3	47.3	63.9	76.0	82.2	88.3	92.0	92.8	94.6	97.8	98.4	98.6	99.1	99.3
59.9	39.3	47.3	63.9	76.0	82.2	88.3	92.0	92.8	94.6	97.8	98.4	98.6	99.1	99.3
60.0	39.3	47.3	63.9	76.0	82.2	88.3	92.0	92.8	94.6	97.8	98.4	98.6	99.1	99.3

TOTAL NUMBER OF OBSERVATIONS

876

CEILING VERSUS VISIBILITY

2.

0970-1120

TOTAL NUMBER OF OBSERVATIONS

USAFETAC

50. 54

0-14.5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

6070

1200-1420

TOTAL NUMBER OF OBSERVATIONS

911

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

24062 SANDHURST GERMANY/COLEMAN AAF 60-75

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

		VISIBILITY (STAT MILES)															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CEILING	1000	30.0	31.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
	900	40.9	42.4	44.3	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
	800	41.0	42.5	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
	700	41.0	42.5	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
	600	41.2	42.7	44.6	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
	500	41.8	43.3	45.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
	400	43.9	45.4	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
	300	45.4	47.0	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
	200	51.1	53.2	55.5	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
	100	55.3	57.6	60.2	60.4	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
	0	59.1	61.8	64.3	64.6	64.6	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
	1000	65.0	68.2	71.0	71.3	71.3	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
	900	69.9	73.2	76.1	76.5	76.5	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
	800	75.3	78.8	81.8	82.2	82.2	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
	700	78.9	82.6	86.1	86.9	87.0	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
	600	82.2	86.5	91.2	91.9	92.0	92.5	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
	500	84.0	88.8	93.8	95.2	95.3	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
	400	84.7	89.5	94.5	95.9	96.0	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
	300	84.8	89.6	94.6	96.0	96.1	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
	200	85.5	90.3	95.4	97.1	97.4	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
	100	85.7	90.5	95.9	97.6	97.9	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
	0	85.7	90.6	96.0	97.9	98.3	99.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
	1000	85.7	90.6	96.0	97.9	98.3	99.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
	900	85.7	90.6	96.0	98.1	98.6	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	800	85.7	90.6	96.0	98.1	98.6	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	700	85.7	90.6	96.0	98.1	98.6	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	600	85.7	90.6	96.0	98.1	98.6	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	500	85.7	90.6	96.0	98.2	98.7	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	400	85.7	90.6	96.0	98.2	98.7	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	300	85.7	90.6	96.0	98.2	98.7	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	200	85.7	90.6	96.0	98.2	98.7	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100	85.7	90.6	96.0	98.2	98.7	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	0	85.7	90.6	96.0	98.2	98.7	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 876

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34068 5A DUFFEL GERMANY/COLEMAN AAF 60-70

400

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-2000

CEILING	0	100	200	300	400	500	600	700	800	900	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4600	4800	5000
0	39.3	40.5	40.6	40.5	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
100	49.9	51.5	52.0	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
200	49.9	51.5	52.0	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
300	50.1	51.7	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
400	51.0	52.6	53.1	53.2	53.2	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
500	52.3	53.9	54.6	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
600	54.4	56.2	56.8	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
700	62.3	64.7	65.3	65.7	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
800	66.5	68.9	69.5	70.1	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
900	69.3	72.1	72.7	73.4	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
1000	74.0	77.5	78.2	79.0	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
1200	77.0	81.1	82.0	82.7	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
1400	81.1	85.6	87.0	87.6	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
1600	83.3	88.1	89.9	90.7	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
1800	84.4	89.6	91.8	92.1	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
2000	85.4	90.9	93.6	95.3	96.3	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
2200	85.7	91.2	93.9	95.8	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
2400	85.9	91.3	94.2	96.1	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
2600	85.9	91.3	94.2	96.2	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
2800	86.4	92.0	95.2	97.4	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
3000	86.4	92.0	95.5	97.8	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
3200	86.4	92.0	95.5	97.8	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
3400	86.4	92.0	95.7	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3600	86.4	92.0	95.7	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3800	86.4	92.0	95.7	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4000	86.4	92.0	95.7	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4200	86.4	92.0	95.7	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4400	86.4	92.0	95.7	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4600	86.4	92.0	95.7	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4800	86.4	92.0	95.7	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5000	86.4	92.0	95.7	98.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

523

USAFETAC

0-14.5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

B406R

SANDHOFEN GERMANY/COLEMAN AAF

62

1

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

		VISIBILITY (STAT. MILES)																										
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
CEILING	5000	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
CEILING	4000	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
CEILING	3000	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
CEILING	2000	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
CEILING	1500	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
CEILING	1000	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
CEILING	800	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
CEILING	700	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
CEILING	600	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
CEILING	500	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
CEILING	400	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
CEILING	300	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
CEILING	200	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
CEILING	100	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
CEILING	0	100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100

TOTAL NUMBER OF OBSERVATIONS

1

USAFETAC

FORM
JUL 74

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34068 SAND-DRUM GERMANY/COLEMAN AFB 60-64

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
1000	6.6	13.2	17.0	21.7	21.7	25.5	27.4	27.4	29.2	29.2	29.2	29.2	31.1	31.1	32.1																
900	8.5	16.0	20.8	26.4	27.4	31.1	34.9	34.9	36.8	37.7	38.7	38.7	40.6	40.6	41.5																
800	8.5	16.0	20.8	26.4	28.3	32.1	35.8	35.8	37.7	38.7	39.6	39.6	41.5	41.5	42.5																
700	8.5	16.0	20.8	26.4	29.2	33.0	36.8	36.8	38.7	39.6	40.6	40.6	42.5	42.5	43.4																
600	9.4	17.0	21.7	27.4	30.2	34.0	37.7	37.7	39.6	40.6	41.5	41.5	43.4	43.4	44.3																
500	10.4	17.9	23.6	30.2	33.0	37.7	41.5	41.5	43.4	44.3	46.2	46.2	48.1	48.1	49.1																
400	11.3	18.9	24.5	32.1	35.8	40.6	44.3	44.3	46.2	47.2	49.1	49.1	50.9	50.9	51.9																
300	11.3	19.8	27.4	36.8	40.6	46.2	50.0	50.0	53.8	54.7	56.6	56.6	58.5	58.5	59.4																
200	13.2	21.7	30.2	39.6	43.4	50.9	54.7	55.7	60.4	61.3	63.2	63.2	65.1	65.1	66.0																
100	13.1	24.5	34.9	45.3	50.9	59.4	63.2	64.2	70.8	71.7	73.6	73.6	75.5	75.5	76.4																
0	15.0	25.5	36.8	48.1	53.8	63.2	67.9	68.9	75.5	76.4	78.3	78.3	80.2	80.2	81.1																
1000	17.0	26.4	38.7	50.0	55.7	65.1	69.8	70.8	77.4	78.3	80.2	80.2	82.1	82.1	83.0																
900	17.9	27.4	40.6	52.8	59.4	68.9	73.6	74.5	81.1	82.1	84.0	84.0	85.8	85.8	86.8																
800	19.8	29.2	42.5	55.7	63.2	72.6	77.4	78.3	84.9	85.8	87.7	87.7	89.6	89.6	90.5																
700	21.7	31.1	46.2	60.4	67.9	79.2	84.0	84.9	91.5	93.4	95.3	95.3	97.2	97.2	98.1																
600	21.7	31.1	46.2	60.4	67.9	79.2	84.0	84.9	91.5	93.4	95.3	95.3	97.2	97.2	98.1																
500	21.7	31.1	46.2	60.4	67.9	79.2	84.0	84.9	91.5	93.4	95.3	95.3	97.2	97.2	98.1																
400	21.7	31.1	46.2	60.4	67.9	79.2	84.0	84.9	91.5	93.4	95.3	95.3	97.2	97.2	98.1																
300	21.7	31.1	46.2	60.4	67.9	79.2	84.0	84.9	91.5	93.4	95.3	95.3	97.2	97.2	98.1																
200	21.7	31.1	46.2	60.4	67.9	79.2	84.0	84.9	91.5	93.4	95.3	95.3	97.2	97.2	98.1																
100	21.7	31.1	46.2	60.4	67.9	79.2	84.0	84.9	91.5	93.4	95.3	95.3	97.2	97.2	98.1																
0	21.7	31.1	46.2	60.4	67.9	79.2	84.0	84.9	91.5	93.4	95.3	95.3	97.2	97.2	98.1																

TOTAL NUMBER OF OBSERVATIONS

106

CEILING VERSUS VISIBILITY

• • •

7672-2422

TOTAL NUMBER OF OBSERVATIONS 890

USAFETAC 014501Z JUL 70

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3406P SALT LAKE GERMANY/CULEMAN AFB 60-70

000

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

20	20.6	26.0	31.2	34.6	35.9	38.2	38.8	39.0	40.2	40.6	40.7	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
23.3	29.6	36.4	40.1	41.1	43.6	44.2	44.4	45.9	46.4	46.5	46.8	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
23.4	29.7	36.5	40.2	41.1	43.7	44.3	44.6	46.1	46.5	46.6	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
23.5	29.8	36.6	40.3	41.2	43.8	44.4	44.7	46.2	46.6	46.7	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
23.7	30.0	36.9	40.6	41.6	44.1	44.8	45.0	46.5	46.9	47.0	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
24.9	31.4	38.5	42.2	43.2	45.9	46.6	46.8	48.3	48.7	48.8	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
25.9	32.7	40.3	44.1	45.1	48.3	49.0	49.2	50.7	51.2	51.3	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
29.7	37.6	45.6	49.9	50.9	54.6	55.6	55.8	57.3	57.7	57.8	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
32.8	41.1	50.4	55.4	56.6	60.4	61.5	61.8	63.2	63.8	63.9	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
34.6	43.5	53.4	59.0	60.3	64.0	65.3	65.6	67.2	67.7	67.8	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
38.5	48.0	58.2	64.3	65.7	69.6	70.9	71.3	72.9	73.4	73.5	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
40.5	50.9	61.5	67.9	69.6	73.4	75.1	75.4	77.0	77.6	77.7	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
42.8	53.3	64.0	70.6	72.6	76.5	78.2	78.5	80.1	80.7	80.8	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
45.7	56.3	67.6	74.8	76.7	80.7	82.4	82.7	84.3	84.8	84.9	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
49.7	60.8	72.3	79.6	81.7	85.8	87.5	87.8	89.4	90.0	90.1	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
51.7	63.7	76.0	84.2	86.4	90.5	92.2	92.5	94.2	94.8	94.9	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
52.9	65.2	77.6	86.6	88.2	92.3	94.1	94.4	96.2	96.8	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
53.5	65.8	78.2	86.8	89.1	93.2	95.0	95.3	97.0	97.6	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
53.6	65.9	78.4	87.3	89.6	93.9	95.7	96.0	97.9	98.5	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
53.6	65.9	78.5	87.4	89.7	94.0	95.8	96.2	98.0	98.6	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
53.6	65.9	78.5	87.5	90.0	94.3	96.2	96.6	98.4	99.0	99.1	99.3	99.5	99.5</								

CEILING VERSUS VISIBILITY

• • •

1275-1407

TOTAL NUMBER OF OBSERVATIONS

916

CEILING VERSUS VISIBILITY

1572-1722

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS[illegible]

TOTAL NUMBER OF OBSERVATIONS

362

USAFETAC

6-24-99

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

•

12-22-50

565

Figure 1

CEILING VERSUS VISIBILITY

22-23

[illegible]

TOTAL NUMBER OF OBSERVATIONS

L. J. AFETAI

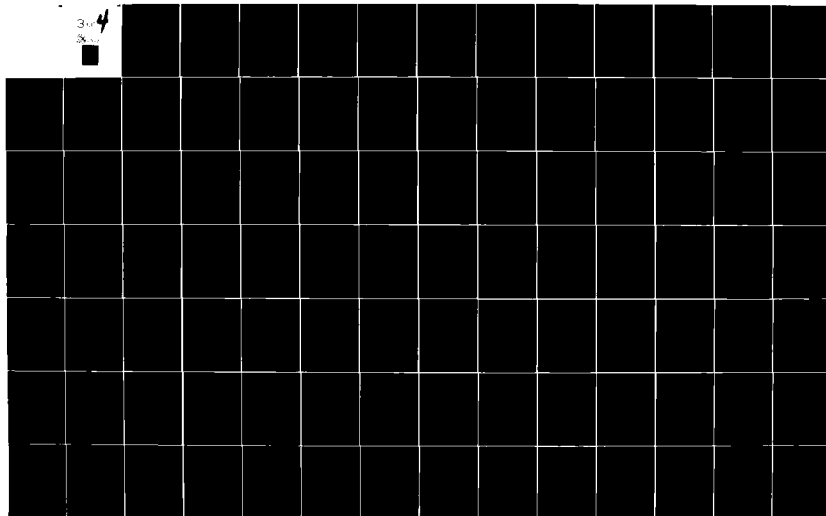
AD-A087 816

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
SANDHOFEN GERMANY/COLEMAN AAF. REVISED UNIFORM SUMMARY OF SURFA--ETC (11)
FEB 72

UNCLASSIFIED USAFETAC/DS-80/056

NL

3-4



DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34068

SANDHOFEN GERMANY/COLEMAN AAF

60-64

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.15	≥.1	≥.05
NO CEILING		12.6	15.7	20.5	26.0	27.6	31.5	32.3	32.3	34.6	35.4	35.4	35.4	35.4	35.4	36.2
≥ 20000		14.2	17.3	24.4	30.7	33.1	37.8	38.6	38.6	40.9	41.7	41.7	41.7	41.7	41.7	42.5
≥ 18000		14.2	17.3	24.4	30.7	33.1	37.8	38.6	38.6	40.9	41.7	41.7	41.7	41.7	41.7	42.5
≥ 16000		14.2	17.3	24.4	30.7	33.1	37.8	38.6	38.6	40.9	41.7	41.7	41.7	41.7	41.7	42.5
≥ 14000		14.2	17.3	24.4	30.7	33.1	37.8	38.6	38.6	40.9	41.7	41.7	41.7	41.7	41.7	42.5
≥ 12000		14.2	17.3	25.2	31.5	33.9	38.6	39.4	39.4	41.7	42.5	42.5	42.5	42.5	42.5	43.3
≥ 10000		15.0	18.1	26.0	32.3	34.6	39.4	40.2	40.2	42.5	43.3	43.3	43.3	43.3	43.3	44.1
≥ 9000		15.0	18.1	26.8	33.1	35.4	40.2	40.9	40.9	43.3	44.1	44.1	44.1	44.1	44.1	44.9
≥ 8000		18.9	22.0	30.7	37.8	40.9	46.5	48.0	48.0	51.2	52.0	52.8	52.8	52.8	52.8	53.5
≥ 7000		21.3	24.4	33.9	40.9	44.1	49.6	51.2	51.2	55.1	55.9	56.7	56.7	56.7	56.7	57.1
≥ 6000		24.4	28.3	37.8	46.5	50.4	55.9	58.3	58.3	62.2	63.0	63.8	63.8	63.8	63.8	64.6
≥ 5000		28.3	33.1	42.5	52.0	55.9	61.4	63.8	63.8	67.7	68.5	69.3	69.3	69.3	69.3	70.1
≥ 4500		30.7	35.4	46.5	56.7	60.6	66.1	69.3	69.3	73.2	74.0	74.8	74.8	74.8	74.8	75.6
≥ 4000		31.5	37.8	49.6	60.6	64.6	70.9	74.0	74.0	78.0	78.7	79.5	79.5	79.5	79.5	80.3
≥ 3500		32.3	39.4	51.2	62.2	67.7	74.0	78.0	78.0	81.9	83.5	84.3	84.3	84.3	84.3	85.0
≥ 3000		33.9	41.7	54.3	66.1	71.7	78.0	81.9	81.9	86.6	88.2	89.0	89.0	89.0	89.0	89.8
≥ 2500		34.6	43.3	55.9	68.5	74.8	81.1	85.0	85.0	89.8	91.3	92.1	92.1	92.1	92.9	93.7
≥ 2000		35.4	44.1	56.7	69.3	75.6	81.9	85.8	85.8	90.6	92.1	92.9	92.9	93.7	93.7	94.5
≥ 1800		35.4	44.1	56.7	69.3	75.6	82.7	86.6	86.6	91.3	92.9	93.7	93.7	94.5	94.5	95.3
≥ 1500		35.4	44.1	56.7	69.3	77.2	84.3	88.2	88.2	94.5	96.1	96.9	96.9	97.6	97.6	98.4
≥ 1200		35.4	44.1	56.7	69.3	77.2	84.3	88.2	88.2	94.5	96.1	96.9	96.9	97.6	97.6	98.4
≥ 1000		35.4	44.1	56.7	69.3	77.2	84.3	88.2	88.2	94.5	96.1	96.9	96.9	97.6	97.6	98.4
≥ 900		35.4	44.1	56.7	69.3	77.2	84.3	88.2	88.2	94.5	96.1	96.9	96.9	97.6	97.6	98.4
≥ 800		35.4	44.1	56.7	69.3	77.2	84.3	88.2	88.2	94.5	96.1	96.9	96.9	97.6	97.6	98.4
≥ 700		35.4	44.1	56.7	69.3	77.2	84.3	88.2	88.2	94.5	96.1	96.9	96.9	97.6	97.6	98.4
≥ 600		35.4	44.1	56.7	69.3	77.2	84.3	88.2	88.2	94.5	96.1	96.9	96.9	97.6	97.6	98.4
≥ 500		35.4	44.1	56.7	69.3	77.2	84.3	88.2	88.2	94.5	96.1	96.9	96.9	97.6	97.6	98.4
≥ 400		35.4	44.1	56.7	69.3	77.2	84.3	88.2	88.2	94.5	96.1	96.9	96.9	97.6	97.6	98.4
≥ 300		35.4	44.1	56.7	69.3	77.2	84.3	88.2	88.2	94.5	96.1	96.9	96.9	97.6	97.6	98.4
≥ 200		35.4	44.1	56.7	69.3	77.2	84.3	88.2	88.2	94.5	96.1	96.9	96.9	97.6	97.6	98.4
≥ 100		35.4	44.1	56.7	69.3	77.2	84.3	88.2	88.2	94.5	96.1	96.9	96.9	97.6	97.6	98.4
≥ 0		35.4	44.1	56.7	69.3	77.2	84.3	88.2	88.2	94.5	96.1	96.9	96.9	97.6	97.6	98.4

TOTAL NUMBER OF OBSERVATIONS 127

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34068
STATION

SANDHOEFEN GERMANY/COLEMAN AAF
STATION NAME

59-70
YEAR

AVG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3600-0500

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING		11.7	15.8	21.9	28.7	31.0	35.0	37.6	38.1	39.5	39.8	40.0	40.3	40.5	40.5
≥ 20000		13.4	18.1	26.0	34.2	36.6	42.1	44.8	45.3	47.1	47.5	47.7	48.1	48.4	48.9
IV 18000		13.5	18.2	26.2	34.4	36.8	42.3	45.0	45.5	47.3	47.7	47.9	48.3	48.6	49.1
IV 16000		13.5	18.2	26.2	34.4	36.8	42.3	45.0	45.5	47.3	47.7	47.9	48.3	48.6	49.1
IV 14000		13.7	18.4	26.4	34.6	37.0	42.5	45.2	45.7	47.5	47.9	48.1	48.5	48.8	49.3
IV 12000		13.9	18.6	26.8	35.1	37.5	43.2	46.0	46.5	48.3	48.7	48.9	49.3	49.6	50.1
IV 10000		14.8	19.7	27.9	37.1	39.8	45.8	48.6	49.4	51.4	51.8	52.0	52.4	52.7	53.4
IV 9000		15.4	20.9	29.9	39.3	42.0	48.0	50.9	51.7	53.8	54.2	54.5	54.9	55.2	55.9
IV 8000		18.3	24.3	34.1	44.5	47.4	53.6	56.9	57.8	60.4	61.1	61.4	61.9	62.3	63.0
IV 7000		21.1	27.4	37.6	48.9	52.3	58.8	62.7	63.6	66.5	67.2	67.5	68.0	68.4	69.2
IV 6000		23.1	30.1	40.9	52.5	56.1	62.7	67.1	68.2	71.3	72.1	72.5	73.0	73.4	74.1
IV 5000		25.3	32.9	44.0	56.7	60.7	68.0	73.0	74.1	77.4	78.2	78.6	79.1	79.5	80.2
IV 4500		26.5	34.9	46.2	59.0	63.1	70.6	75.5	76.6	79.9	80.7	81.1	81.7	82.1	82.5
IV 4000		27.9	37.1	48.7	62.2	66.5	74.1	79.1	80.3	83.8	84.8	85.2	85.7	86.1	86.5
IV 3500		28.9	38.5	50.3	64.0	68.5	76.4	81.5	82.7	86.1	87.3	87.7	88.2	88.6	89.3
IV 3000		30.0	40.2	52.5	66.7	71.4	79.3	84.5	85.7	89.1	90.5	90.9	91.4	91.9	92.7
IV 2500		30.7	41.2	53.9	68.4	73.4	81.5	86.6	87.8	91.5	92.8	93.2	93.8	94.3	95.1
IV 2000		31.3	41.9	54.8	69.5	74.5	82.8	88.0	89.2	93.1	94.6	95.1	95.6	96.1	96.9
IV 1800		31.3	41.9	54.8	69.5	74.7	83.0	88.4	89.6	93.6	95.1	95.5	96.1	96.6	97.4
IV 1500		31.3	42.0	55.1	69.8	75.0	83.4	88.9	90.1	94.2	95.7	96.2	96.7	97.2	98.0
IV 1200		31.3	42.0	55.1	69.8	75.0	83.4	89.1	90.4	94.5	96.0	96.5	97.0	97.5	98.3
IV 1000		31.3	42.0	55.1	69.9	75.2	83.6	89.3	90.6	94.7	96.2	96.7	97.2	97.7	98.5
IV 900		31.3	42.0	55.2	70.0	75.3	83.7	89.4	90.7	94.8	96.3	96.8	97.3	97.8	98.6
IV 800		31.3	42.0	55.3	70.1	75.4	83.8	89.5	90.8	94.9	96.4	96.9	97.4	97.9	98.7
IV 700		31.3	42.0	55.3	70.1	75.4	83.8	89.5	90.8	94.9	96.4	96.9	97.4	97.9	98.7
IV 600		31.3	42.0	55.3	70.1	75.4	83.8	89.5	90.8	95.0	96.5	97.0	97.5	98.0	98.8
IV 500		31.3	42.0	55.3	70.1	75.4	83.8	89.5	90.8	95.0	96.5	97.0	97.5	98.1	98.9
IV 400		31.3	42.0	55.3	70.1	75.4	83.8	89.5	90.8	95.0	96.5	97.0	97.5	98.1	98.9
IV 300		31.3	42.0	55.3	70.1	75.4	83.8	89.5	90.8	95.0	96.5	97.0	97.5	98.2	99.3
IV 200		31.3	42.0	55.3	70.1	75.4	83.8	89.5	90.8	95.0	96.5	97.0	97.5	98.3	99.4
IV 100		31.3	42.0	55.3	70.1	75.4	83.8	89.5	90.8	95.0	96.5	97.0	97.5	98.3	99.7
IV 0		31.3	42.0	55.3	70.1	75.4	83.8	89.5	90.8	95.0	96.5	97.0	97.5	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 992

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24000
STATION

SA DHOFFEN GERMANY/COLEMAN AAF
STATION NAME

59-70
YEAR

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
TIME PERIOD

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING		19.8	24.0	31.4	35.0	36.9	39.1	40.6	41.2	41.7	41.8	41.9	42.1	42.2	42.2	42.2
≥ 20000		23.0	28.1	36.5	41.0	43.1	46.0	47.8	48.7	49.5	49.8	49.9	50.3	50.5	50.5	50.5
≥ 18000		23.0	28.1	36.6	41.1	43.2	46.1	47.9	48.8	49.6	49.9	50.0	50.4	50.6	50.6	50.6
≥ 16000		23.0	28.1	36.7	41.2	43.3	46.2	48.0	48.9	49.7	50.0	50.1	50.5	50.7	50.7	50.7
≥ 14000		23.1	28.3	36.9	41.4	43.5	46.4	48.3	49.1	50.0	50.3	50.4	50.8	51.0	51.0	51.0
≥ 12000		23.8	29.0	37.6	42.2	44.3	47.2	49.1	50.0	50.9	51.1	51.2	51.6	51.8	51.8	51.8
≥ 10000		25.2	30.7	39.3	44.0	46.2	49.2	51.2	52.1	53.0	53.3	53.4	53.8	54.0	54.0	54.0
≥ 9000		26.2	32.0	41.0	45.9	48.1	51.1	53.1	54.0	55.0	55.2	55.3	55.7	55.9	55.9	55.9
≥ 8000		29.9	36.4	45.8	51.4	54.0	57.1	59.7	60.6	61.5	61.9	62.0	62.6	62.8	62.8	62.8
≥ 7000		32.3	39.5	49.4	55.4	58.1	61.6	64.9	65.7	66.7	67.0	67.1	67.7	67.9	67.9	67.9
≥ 6000		33.8	41.7	52.1	58.4	61.0	64.9	68.1	69.0	69.9	70.3	70.4	71.0	71.1	71.1	71.1
≥ 5000		36.0	44.3	55.0	61.5	64.3	68.4	71.7	72.6	73.7	74.2	74.4	75.0	75.1	75.1	75.1
IV 4500		37.5	46.1	57.2	63.9	66.7	70.8	74.1	75.0	76.2	76.9	77.0	77.5	77.7	77.7	77.7
IV 4000		40.2	49.3	60.9	68.3	71.0	75.3	79.0	79.8	81.0	81.7	81.8	82.4	82.6	82.6	82.6
IV 3500		43.0	52.3	63.9	71.4	74.2	78.7	82.2	83.0	84.3	85.0	85.0	85.6	85.8	85.8	85.8
IV 3000		45.4	55.0	67.5	75.3	78.4	83.0	86.7	87.5	89.0	89.6	89.7	90.2	90.5	90.5	90.5
IV 2500		47.1	57.2	70.4	78.6	81.9	86.7	90.4	91.2	92.7	93.3	93.6	94.2	94.4	94.4	94.4
IV 2000		47.7	58.1	71.3	79.6	83.0	87.8	91.5	92.4	93.8	94.7	94.8	95.3	95.5	95.5	95.5
IV 1800		47.8	58.3	71.5	79.8	83.2	88.0	91.8	92.7	94.1	95.0	95.0	95.6	95.8	95.8	95.8
IV 1500		48.0	58.6	71.9	80.4	83.8	88.6	92.4	93.3	94.8	95.7	95.9	96.5	96.7	96.7	96.7
IV 1200		48.0	58.7	72.2	81.0	84.5	89.4	93.2	94.4	95.9	97.0	97.1	97.7	97.9	97.9	97.9
IV 1000		48.1	58.8	72.4	81.2	84.8	89.9	93.7	94.9	96.5	97.5	97.7	98.3	98.5	98.5	98.6
IV 900		48.1	58.8	72.4	81.3	84.9	90.0	93.8	95.0	96.7	97.7	97.9	98.5	98.7	98.7	98.8
IV 800		48.2	58.9	72.5	81.6	85.1	90.3	94.2	95.3	97.0	98.1	98.3	98.9	99.0	99.0	99.1
IV 700		48.2	58.9	72.5	81.6	85.1	90.3	94.4	95.5	97.2	98.3	98.5	99.0	99.2	99.2	99.3
IV 600		48.2	58.9	72.5	81.6	85.1	90.3	94.4	95.5	97.2	98.3	98.5	99.0	99.2	99.2	99.3
IV 500		48.2	58.9	72.5	81.6	85.1	90.3	94.5	95.6	97.3	98.4	98.6	99.2	99.3	99.3	99.6
IV 400		48.2	58.9	72.5	81.6	85.1	90.3	94.5	95.6	97.3	98.5	98.7	99.3	99.7	99.7	99.8
IV 300		48.2	58.9	72.5	81.6	85.1	90.3	94.5	95.6	97.3	98.5	98.7	99.3	99.7	99.7	99.8
IV 200		48.2	58.9	72.5	81.6	85.1	90.3	94.5	95.6	97.3	98.5	98.7	99.3	99.7	99.7	99.8
IV 100		48.2	58.9	72.5	81.6	85.1	90.3	94.5	95.6	97.3	98.5	98.7	99.3	99.7	99.7	99.8
IV 0		48.2	58.9	72.5	81.6	85.1	90.3	94.5	95.6	97.3	98.5	98.7	99.3	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1030

USAFETAC

FORM
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24068
STATION

SANDHOFEN GERMANY/COLEMAN AAF
STATION NAME

59-70
YEAR

ALG
OFF

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET:	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ 0
NO CEILING		24.7	27.2	30.5	32.2	32.7	33.1	33.3	33.5	33.6	33.7	33.7	33.8	33.9	33.9	33.9
≥ 20000		32.1	35.8	40.1	42.0	42.5	43.2	43.5	43.7	44.0	44.2	44.2	44.2	44.3	44.3	44.3
≥ 18000		32.3	36.0	40.3	42.2	42.7	43.4	43.7	43.9	44.2	44.3	44.3	44.4	44.5	44.5	44.5
≥ 16000		32.6	36.3	40.5	42.5	43.0	43.7	44.0	44.2	44.4	44.6	44.6	44.7	44.8	44.8	44.8
≥ 14000		32.6	36.3	40.5	42.5	43.0	43.7	44.0	44.2	44.4	44.6	44.6	44.7	44.8	44.8	44.8
≥ 12000		33.7	37.6	41.9	43.9	44.3	45.0	45.3	45.5	45.8	46.0	46.0	46.1	46.2	46.2	46.2
≥ 10000		35.8	39.7	44.1	46.2	46.7	47.4	47.7	47.9	48.2	48.5	48.5	48.6	48.7	48.7	48.7
≥ 9000		36.9	41.1	45.8	48.0	48.5	49.2	49.6	49.8	50.3	50.6	50.6	50.7	50.8	50.8	50.8
≥ 8000		42.3	47.2	52.3	54.5	55.2	55.9	56.4	56.6	57.3	57.6	57.6	57.8	57.9	57.9	57.9
≥ 7000		46.3	51.4	56.7	59.0	59.7	60.6	61.3	61.5	62.2	62.6	62.6	62.8	62.9	62.9	62.9
≥ 6000		48.8	54.1	59.6	62.0	62.9	63.7	64.4	64.6	65.3	65.7	65.7	65.9	66.0	66.0	66.0
≥ 5000		51.9	57.7	63.2	65.6	66.5	67.3	68.0	68.2	68.9	69.3	69.3	69.5	69.6	69.6	69.6
≥ 4500		55.1	61.2	67.3	69.7	70.6	71.4	72.1	72.3	73.0	73.4	73.4	73.6	73.7	73.7	73.7
≥ 4000		59.7	66.0	72.3	74.9	75.7	76.6	77.4	77.6	78.3	78.9	78.9	79.1	79.2	79.2	79.2
≥ 3500		64.8	71.7	78.8	81.6	82.5	83.4	84.2	84.4	85.3	85.8	85.8	86.0	86.1	86.1	86.1
≥ 3000		69.6	76.6	84.0	86.7	87.6	88.6	89.4	89.6	90.4	90.9	90.9	91.1	91.2	91.2	91.2
≥ 2500		72.5	80.1	88.9	92.3	93.2	94.4	95.4	95.6	96.7	97.2	97.2	97.4	97.5	97.5	97.5
≥ 2000		72.7	80.4	89.3	92.7	93.7	94.9	95.9	96.1	97.2	97.7	97.7	97.9	98.0	98.0	98.0
≥ 1800		72.9	80.6	89.6	93.0	94.0	95.2	96.2	96.4	97.5	98.0	98.0	98.1	98.2	98.2	98.2
≥ 1500		72.9	80.8	89.9	93.6	94.5	95.8	96.8	97.0	98.1	98.5	98.6	98.8	98.9	98.9	98.9
≥ 1200		73.0	80.9	90.1	93.9	94.8	96.2	97.3	97.5	98.6	99.1	99.3	99.5	99.6	99.6	99.6
≥ 1000		73.1	81.0	90.3	94.1	95.0	96.4	97.5	97.7	98.8	99.3	99.5	99.7	99.8	99.8	99.8
≥ 900		73.1	81.0	90.3	94.2	95.1	96.5	97.6	97.8	98.9	99.4	99.6	99.8	99.9	99.9	99.9
≥ 800		73.1	81.0	90.3	94.2	95.1	96.6	97.7	97.9	99.0	99.5	99.7	99.9	100.0	100.0	100.0
≥ 700		73.1	81.0	90.3	94.2	95.1	96.6	97.7	97.9	99.0	99.5	99.7	99.9	100.0	100.0	100.0
≥ 600		73.1	81.0	90.3	94.2	95.1	96.6	97.7	97.9	99.0	99.5	99.7	99.9	100.0	100.0	100.0
≥ 500		73.1	81.0	90.3	94.2	95.1	96.6	97.7	97.9	99.0	99.5	99.7	99.9	100.0	100.0	100.0
≥ 400		73.1	81.0	90.3	94.2	95.1	96.6	97.7	97.9	99.0	99.5	99.7	99.9	100.0	100.0	100.0
≥ 300		73.1	81.0	90.3	94.2	95.1	96.6	97.7	97.9	99.0	99.5	99.7	99.9	100.0	100.0	100.0
≥ 200		73.1	81.0	90.3	94.2	95.1	96.6	97.7	97.9	99.0	99.5	99.7	99.9	100.0	100.0	100.0
≥ 100		73.1	81.0	90.3	94.2	95.1	96.6	97.7	97.9	99.0	99.5	99.7	99.9	100.0	100.0	100.0
≥ 0		73.1	81.0	90.3	94.2	95.1	96.6	97.7	97.9	99.0	99.5	99.7	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1026

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34068
STATION

SANDHURST GERMANY/COLEMAN AAF
STATION NAME

59-70
YEAR

ANG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1700

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.75	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0
NO CEILING		31.0	32.5	33.6	34.2	34.3	34.8	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 20000		41.0	43.4	45.0	45.6	45.7	46.1	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 18000		41.0	43.4	45.0	45.6	45.7	46.1	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 16000		41.2	43.6	45.2	45.8	45.9	46.3	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 14000		41.6	44.0	45.6	46.2	46.3	46.7	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 12000		42.9	45.2	46.8	47.4	47.5	47.9	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 10000		46.0	48.3	50.3	50.9	51.0	51.4	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 9000		48.7	51.2	53.4	54.0	54.1	54.6	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 8000		54.4	57.2	59.7	60.4	60.5	61.0	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 7000		59.1	62.2	64.9	65.8	65.9	66.4	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 6000		63.1	66.5	69.4	70.3	70.5	71.0	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 5000		67.1	71.0	74.2	75.2	75.3	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 4500		72.4	76.7	80.0	81.1	81.3	81.9	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 4000		76.7	81.0	84.5	85.7	85.9	86.5	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3500		81.3	85.9	90.3	91.7	92.0	92.7	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 3000		83.6	88.3	93.1	94.5	94.8	95.5	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2500		84.9	90.1	95.2	97.2	97.5	98.4	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 2000		84.9	90.2	95.5	97.5	97.8	98.8	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800		85.1	90.4	95.7	97.7	98.0	99.0	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500		85.2	90.5	95.8	97.8	98.1	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200		85.2	90.5	95.9	97.9	98.2	99.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000		85.2	90.5	95.9	97.9	98.2	99.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900		85.2	90.6	96.0	98.0	98.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		85.2	90.6	96.0	98.0	98.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		85.2	90.6	96.0	98.0	98.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		85.2	90.6	96.0	98.0	98.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		85.2	90.6	96.0	98.0	98.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		85.2	90.6	96.0	98.0	98.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		85.2	90.6	96.0	98.0	98.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		85.2	90.6	96.0	98.0	98.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		85.2	90.6	96.0	98.0	98.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		85.2	90.6	96.0	98.0	98.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 987

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34068
STATION

SANDHORN GERMANY/COLEMAN AAF
STATION NAME

60-70
YEAR

ALG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING		35.5	37.2	38.6	39.2	39.4	39.4	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 20000		44.6	46.9	48.9	49.6	49.7	49.7	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 18000		44.6	46.9	48.9	49.6	49.7	49.7	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 16000		44.6	46.9	48.9	49.6	49.7	49.7	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 14000		44.6	46.9	48.9	49.6	49.7	49.7	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 12000		46.0	48.2	50.3	50.9	51.1	51.1	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 10000		50.1	52.6	54.7	55.5	55.6	55.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 9000		51.9	54.3	56.5	57.4	57.5	57.5	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 8000		59.3	62.5	64.9	66.4	66.5	66.5	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 7000		65.7	69.2	71.9	73.4	73.5	73.5	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 6000		69.3	73.3	76.2	77.8	78.0	78.2	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 5000		74.9	78.9	82.3	84.0	84.1	84.7	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 4500		80.4	84.5	88.3	90.1	90.5	91.0	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 4000		81.7	86.0	90.5	92.5	92.9	93.4	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 3500		83.2	87.5	91.9	94.0	94.4	95.0	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 3000		84.6	88.7	93.1	95.3	95.7	96.4	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2500		85.2	89.5	94.5	96.9	97.4	98.1	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2000		85.2	89.5	94.6	97.0	97.6	98.2	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1800		85.3	89.7	94.8	97.3	97.8	98.5	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1500		85.3	89.7	94.8	97.3	97.8	98.5	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200		85.3	89.7	94.8	97.3	97.8	98.5	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000		85.3	89.7	94.8	97.3	97.8	98.5	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900		85.3	89.8	94.9	97.4	98.0	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		85.3	89.8	94.9	97.4	98.0	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		85.3	89.8	94.9	97.4	98.0	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		85.3	89.8	94.9	97.4	98.0	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		85.3	89.8	94.9	97.4	98.0	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		85.3	89.8	94.9	97.4	98.0	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		85.3	89.8	94.9	97.4	98.0	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		85.3	89.8	94.9	97.4	98.0	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		85.3	89.8	94.9	97.4	98.0	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		85.3	89.8	94.9	97.4	98.0	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAF

CEILING VERSUS VISIBILITY

34068

SA L-WFEN GERMANY/COLEMAN AAF

60#64

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	14.9	18.4	25.4	28.1	29.8	38.0	41.2	41.2	44.7	45.6	46.5	47.4	51.8	51.6	55.3	
IN 10000	14.9	20.2	27.2	29.8	31.6	41.2	43.9	43.9	47.4	48.2	49.1	50.0	55.3	55.3	58.8	
IN 7000	14.9	20.2	27.2	29.8	31.6	41.2	43.9	43.9	47.4	48.2	49.1	50.0	55.3	55.3	58.8	
IN 6000	14.9	20.2	27.2	29.8	31.6	41.2	43.9	43.9	47.4	48.2	49.1	50.0	55.3	55.3	58.8	
IN 5000	14.9	20.2	27.2	29.8	31.6	41.2	43.9	43.9	47.4	48.2	49.1	50.0	55.3	55.3	58.8	
IN 4000	15.8	21.1	28.1	30.7	32.5	42.1	44.7	44.7	48.2	49.1	50.0	50.9	56.1	56.1	59.6	
IN 3000	15.8	21.1	28.1	31.6	34.2	43.9	46.5	46.5	50.0	50.9	51.8	52.6	57.9	57.9	61.4	
IN 2000	16.7	21.9	28.9	33.3	36.0	48.6	48.2	48.2	51.8	52.6	53.5	54.4	59.6	59.6	63.2	
IN 1800	16.4	23.7	31.6	36.8	39.5	50.0	52.6	52.6	56.1	57.0	57.9	58.8	64.0	64.0	67.5	
IN 1700	16.4	23.4	34.2	41.2	43.9	53.3	58.8	58.8	62.3	62.3	64.0	64.9	70.2	70.2	73.7	
IN 1600	19.3	27.2	38.6	45.6	48.2	59.6	64.0	64.0	67.5	68.4	69.3	70.2	75.4	75.4	78.9	
IN 1500	19.3	28.1	40.4	47.4	50.0	61.4	65.8	65.8	69.3	70.2	71.1	71.9	77.2	77.2	81.6	
IN 1400	19.3	28.1	40.4	47.4	50.0	62.3	66.7	66.7	70.2	71.1	71.9	72.8	78.1	78.1	82.5	
IN 1300	19.3	28.1	40.4	47.4	50.0	62.3	67.5	67.5	71.1	71.9	72.8	73.7	78.9	78.9	83.3	
IN 1200	19.3	28.1	40.4	48.2	50.9	64.0	69.3	69.3	72.8	73.7	74.6	75.4	80.7	80.7	85.1	
IN 1100	19.3	28.1	40.4	48.2	50.9	64.0	71.9	71.9	76.3	77.2	78.1	78.9	84.2	84.2	88.6	
IN 1000	19.3	28.9	41.2	50.0	52.6	67.5	73.7	73.7	78.1	78.9	79.8	80.7	86.0	86.0	90.4	
IN 900	19.3	28.9	42.1	51.8	54.4	69.3	75.4	75.4	79.8	80.7	81.6	82.5	87.7	87.7	92.1	
IN 800	19.3	28.9	42.1	51.8	54.4	70.2	76.3	76.3	80.7	81.6	82.5	83.3	88.6	88.6	93.0	
IN 700	19.3	28.9	42.1	51.8	54.4	71.1	78.1	78.1	82.5	84.2	85.1	86.0	91.2	91.2	95.6	
IN 600	19.3	28.9	42.1	51.8	54.4	71.1	78.1	78.1	82.5	84.2	85.1	86.0	91.2	91.2	95.6	
IN 500	19.3	28.9	42.1	51.8	54.4	71.1	78.9	78.9	83.3	85.1	86.0	86.8	92.1	92.1	96.5	
IN 400	19.3	28.9	42.1	51.8	54.4	71.1	78.9	78.9	83.3	85.1	86.0	86.8	93.0	93.0	97.4	
IN 300	19.3	28.9	42.1	51.8	54.4	71.1	78.9	78.9	83.3	85.1	86.0	86.8	93.0	93.0	97.4	
IN 200	19.3	28.9	42.1	51.8	54.4	71.1	78.9	78.9	83.3	85.1	86.0	86.8	93.0	93.0	97.4	
IN 100	19.3	28.9	42.1	51.8	54.4	71.1	78.9	78.9	83.3	85.1	86.0	86.8	93.0	93.0	97.4	
IN 0	19.3	28.9	42.1	51.8	54.4	71.1	78.9	78.9	83.3	85.1	86.0	86.8	93.0	93.0	97.4	

TOTAL NUMBER OF OBSERVATIONS 114

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34068
STATION

SANDHUFEN, GERMANY/CULLENAN AAF
STATION NAME

59-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY, STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01
NO CEILING		10.7	13.9	16.9	21.4	22.4	26.9	30.0	30.9	34.7	36.4	37.7	37.7	38.9	39.2
≥ 20000		11.0	14.7	18.2	23.6	24.8	29.8	33.2	34.2	38.3	40.3	40.8	42.0	43.4	43.7
≥ 18000		11.0	14.7	18.2	23.6	24.8	29.8	33.2	34.2	38.3	40.3	40.8	42.0	43.4	43.7
≥ 16000		11.0	14.7	18.2	23.6	24.8	29.8	33.2	34.2	38.3	40.3	40.8	42.0	43.4	43.7
≥ 14000		11.0	14.7	18.2	23.6	24.8	29.8	33.2	34.2	38.3	40.3	40.8	42.0	43.4	43.7
≥ 12000		11.0	14.7	18.2	23.6	25.1	30.1	33.5	34.5	38.6	40.6	41.3	42.4	43.8	44.2
≥ 10000		12.5	16.5	20.3	26.0	27.7	32.7	37.0	37.9	42.2	44.3	44.9	46.1	47.5	47.8
≥ 9000		13.3	17.4	21.3	27.9	29.5	34.5	38.8	39.9	44.5	46.5	47.2	48.3	49.8	50.2
≥ 8000		14.3	19.1	23.2	30.2	31.9	37.7	42.3	43.4	48.6	50.6	51.2	52.4	53.9	54.2
≥ 7000		15.6	20.7	25.5	33.0	34.8	41.3	46.4	47.5	53.3	55.3	56.1	57.2	58.7	59.1
≥ 6000		16.6	21.8	27.2	35.7	38.0	45.1	50.7	51.9	58.0	60.0	60.8	62.0	63.6	63.9
≥ 5000		18.2	23.6	29.9	39.1	41.6	48.8	54.9	56.1	62.4	64.4	65.2	66.3	68.1	68.4
≥ 4500		19.1	24.8	31.3	40.8	43.4	51.1	57.6	58.7	65.1	67.1	67.8	69.0	70.7	71.1
≥ 4000		20.2	26.2	32.9	42.8	45.3	53.7	60.1	61.2	67.6	69.7	70.4	71.6	73.3	73.6
≥ 3500		20.5	26.5	33.4	43.4	46.1	54.8	61.3	62.5	68.9	71.0	71.7	72.9	74.6	74.9
≥ 3000		20.8	26.9	34.2	44.5	47.6	56.6	63.3	64.5	71.4	73.4	74.3	75.6	77.3	77.6
≥ 2500		21.4	28.2	36.3	47.2	50.5	60.0	66.8	68.1	75.0	77.4	78.3	79.7	81.5	81.8
≥ 2000		21.7	28.4	36.7	47.7	51.1	60.9	67.6	69.0	76.3	78.9	79.8	81.2	83.1	83.4
≥ 1800		21.7	28.4	36.7	47.7	51.1	61.0	67.7	69.1	76.5	79.1	80.1	81.5	83.3	83.6
≥ 1500		21.8	28.5	36.8	47.8	51.2	61.2	68.5	70.0	77.8	80.4	81.5	82.9	84.7	85.0
≥ 1200		21.8	28.5	36.8	48.1	51.7	61.7	69.3	70.8	78.7	81.4	82.4	83.8	85.7	86.1
≥ 1000		21.8	28.5	36.8	48.1	51.7	61.8	69.5	71.0	78.8	81.6	82.6	84.0	86.0	86.3
≥ 900		21.8	28.5	36.8	48.1	51.7	61.8	69.5	71.0	78.8	81.6	82.6	84.0	86.0	86.3
≥ 800		21.8	28.5	36.8	48.1	51.7	61.8	69.5	71.0	78.8	81.6	82.6	84.0	86.0	86.3
≥ 700		21.8	28.5	36.8	48.1	51.7	61.8	69.5	71.0	78.8	81.6	82.6	84.0	86.0	86.3
≥ 600		21.8	28.5	36.8	48.1	51.7	61.8	69.5	71.1	78.9	81.7	82.7	84.1	86.3	86.6
≥ 500		21.8	28.5	36.8	48.2	51.8	62.0	69.6	71.4	79.2	82.0	83.1	84.5	86.9	87.2
≥ 400		21.8	28.5	36.9	48.2	51.8	62.0	69.6	71.4	79.2	82.0	83.1	84.5	86.9	87.2
≥ 300		21.8	28.5	36.9	48.2	51.8	62.0	69.6	71.4	79.2	82.0	83.1	84.5	86.9	87.2
≥ 200		21.8	28.5	36.9	48.2	51.8	62.0	69.6	71.4	79.2	82.0	83.1	84.5	86.9	87.2
≥ 100		21.8	28.5	36.9	48.2	51.8	62.0	69.6	71.4	79.2	82.0	83.1	84.5	86.9	87.2
≥ 0		21.8	28.5	36.9	48.2	51.8	62.0	69.6	71.4	79.2	82.0	83.1	84.5	87.1	87.5

TOTAL NUMBER OF OBSERVATIONS 933

USAFETAC

FORM
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34008

SAND WERN GERMANY/COLEMAN AAF

59-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ 0
NO CEILING		16.9	21.0	26.1	30.8	33.6	36.5	39.2	39.5	41.8	42.6	42.9	43.5	44.1	44.3	44.9
≥ 20000		19.0	23.4	29.8	35.5	38.9	42.2	45.1	45.5	48.0	49.0	49.4	50.2	50.9	51.1	51.8
≥ 18000		19.0	23.4	30.1	35.7	39.1	42.4	45.3	45.7	48.2	49.2	49.6	50.4	51.1	51.3	52.0
≥ 16000		19.0	23.4	30.1	35.7	39.1	42.4	45.3	45.8	48.3	49.3	49.7	50.5	51.2	51.4	52.1
≥ 14000		19.0	23.4	30.1	35.7	39.1	42.4	45.3	45.8	48.3	49.3	49.7	50.5	51.2	51.4	52.1
≥ 12000		19.2	23.6	30.4	36.1	39.5	42.8	45.7	46.2	48.7	49.7	50.2	50.9	51.6	51.8	52.5
≥ 10000		20.1	24.6	32.2	38.1	41.8	45.2	48.2	48.7	51.3	52.3	52.7	53.4	54.1	54.3	55.0
≥ 9000		20.9	25.6	33.3	39.7	43.4	47.0	50.1	50.6	53.1	54.2	54.7	55.4	56.1	56.3	57.0
IV 8000		22.5	27.5	35.9	42.8	46.8	50.9	54.3	54.8	57.4	58.6	59.2	60.0	60.7	60.9	61.6
IV 7000		25.0	30.5	40.5	48.3	52.7	56.8	60.5	61.1	63.7	65.0	65.7	66.6	67.3	67.5	68.2
IV 6000		25.6	31.1	41.4	49.6	54.3	58.8	62.6	63.2	65.8	67.2	68.0	68.9	69.6	69.8	70.7
IV 5000		27.4	33.3	44.4	53.2	58.1	62.6	66.8	67.7	70.7	72.1	73.0	73.9	74.6	74.8	75.6
IV 4500		28.2	34.2	46.4	55.5	60.4	65.3	69.3	70.3	73.2	74.6	75.6	76.5	77.2	77.4	78.2
IV 4000		28.8	35.3	47.6	57.0	61.9	66.9	71.3	72.2	75.2	76.6	77.6	78.5	79.2	79.4	80.2
IV 3500		30.8	37.2	49.7	59.4	64.3	69.4	73.8	74.7	77.7	79.1	80.1	81.0	81.7	81.9	82.7
IV 3000		32.7	39.4	52.7	62.8	67.7	72.0	77.4	78.6	82.0	83.4	84.4	85.3	86.1	86.3	87.1
IV 2500		33.2	40.2	54.1	64.3	69.3	74.8	79.7	81.1	84.9	86.7	87.7	88.6	89.4	89.6	90.5
IV 2000		33.9	40.9	54.9	65.2	70.4	75.9	81.1	82.6	86.6	88.4	89.4	90.4	91.2	91.4	92.2
IV 1800		34.1	41.2	55.3	65.7	70.8	76.4	81.6	83.1	87.1	88.9	89.9	90.9	91.7	91.9	92.7
IV 1500		34.2	41.4	55.6	66.0	71.2	77.0	82.4	83.9	87.9	89.8	91.1	92.0	92.8	93.0	93.8
IV 1200		34.4	41.6	56.2	66.6	72.0	77.8	83.4	85.0	89.0	91.0	92.2	93.1	93.9	94.1	94.9
IV 1000		34.4	41.6	56.3	66.9	72.4	78.2	84.0	85.6	89.9	91.9	93.1	94.1	94.9	95.1	95.9
IV 900		34.4	41.6	56.3	66.9	72.4	78.2	84.1	85.7	90.1	92.0	93.2	94.2	95.0	95.2	96.0
IV 800		34.4	41.6	56.3	66.9	72.4	78.2	84.4	86.0	90.5	92.4	93.6	94.6	95.4	95.6	96.4
IV 700		34.4	41.6	56.3	66.9	72.4	78.2	84.5	86.2	90.9	92.8	94.0	95.0	95.8	96.0	96.8
IV 600		34.4	41.6	56.3	66.9	72.5	78.5	84.6	86.3	91.1	93.2	94.4	95.4	96.3	96.5	97.3
IV 500		34.4	41.6	56.3	66.9	72.5	78.5	84.7	86.4	91.2	93.3	94.5	95.5	96.5	96.7	97.5
IV 400		34.4	41.6	56.3	66.9	72.5	78.5	84.7	86.4	91.3	93.4	94.6	95.7	96.7	96.9	97.9
IV 300		34.4	41.6	56.3	66.9	72.5	78.5	84.7	86.4	91.3	93.4	94.6	95.8	97.1	97.3	98.8
IV 200		34.4	41.6	56.3	66.9	72.5	78.5	84.7	86.4	91.3	93.4	94.7	95.9	97.2	97.4	99.5
IV 100		34.4	41.6	56.3	66.9	72.5	78.5	84.7	86.4	91.3	93.4	94.7	95.9	97.2	97.4	99.8
IV 0		34.4	41.6	56.3	66.9	72.5	78.5	84.7	86.4	91.3	93.4	94.7	95.9	97.2	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 995

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34068

SA DORFEN GERMANY/COLEMAN AAF

59-72

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ .00
NO CEILING	25.9	29.8	34.8	37.6	39.1	40.6	41.5	42.0	43.0	43.5	43.9	44.1	44.2	44.2	44.4	
IV 4000	30.8	35.5	41.5	44.6	46.3	47.9	48.2	49.7	50.8	51.3	51.8	52.0	52.2	52.2	52.4	
IV 3000	30.8	35.5	41.5	44.6	46.3	47.9	49.2	49.7	50.8	51.3	51.8	52.0	52.2	52.2	52.4	
IV 2400	31.0	35.8	41.9	45.1	46.7	48.4	49.6	50.1	51.2	51.8	52.2	52.4	52.6	52.6	52.8	
IV 1800	31.0	35.9	42.2	45.4	47.0	48.7	49.9	50.4	51.5	52.1	52.6	52.8	53.1	53.1	53.3	
IV 1200	32.4	37.5	44.3	47.6	49.4	51.0	52.3	52.8	54.0	54.5	55.1	55.3	55.6	55.6	55.8	
IV 800	34.6	40.0	47.7	51.1	52.9	54.5	55.8	56.3	57.7	58.2	58.8	59.1	59.4	59.4	59.6	
IV 600	37.8	43.8	52.2	55.8	57.6	59.4	60.8	61.3	62.8	63.4	63.9	64.2	64.5	64.5	64.7	
IV 500	40.3	46.5	55.9	59.7	61.5	63.3	64.8	65.4	66.9	67.5	68.0	68.6	69.0	69.0	69.2	
IV 400	43.3	49.6	59.1	63.2	65.1	66.8	68.4	68.9	70.4	71.0	71.5	72.1	72.5	72.5	72.7	
IV 300	45.5	51.9	61.6	66.0	67.8	69.6	71.1	71.6	73.3	73.9	74.4	74.9	75.4	75.4	75.6	
IV 200	48.1	54.5	64.5	69.0	70.8	72.6	74.1	74.6	76.3	76.9	77.4	77.9	78.4	78.4	78.6	
IV 100	51.1	57.8	68.1	72.9	74.7	76.5	78.1	78.7	80.4	81.0	81.5	82.1	82.5	82.5	82.7	
IV 0	55.9	62.9	73.8	78.8	80.7	82.5	84.1	84.6	86.4	87.0	87.5	88.0	88.5	88.5	88.7	
IV 2500	57.7	64.9	76.6	82.1	84.0	86.2	87.9	88.5	90.3	90.9	91.4	92.0	92.4	92.4	92.6	
IV 2000	59.0	66.5	78.5	84.4	86.5	89.0	90.7	91.2	93.2	93.8	94.4	94.9	95.4	95.4	95.6	
IV 1800	59.2	66.8	78.8	84.8	86.9	89.6	91.5	92.1	94.1	94.8	95.5	96.0	96.4	96.4	96.6	
IV 1500	59.3	66.9	79.0	85.1	87.1	90.1	92.1	92.6	94.6	95.4	96.0	96.5	96.9	96.9	97.1	
IV 1200	59.3	66.9	79.0	85.4	87.5	90.5	92.5	93.1	95.3	96.1	96.9	97.4	97.8	97.8	98.0	
IV 1000	59.3	67.2	79.4	86.1	88.4	91.4	93.4	94.0	96.2	97.0	97.9	98.4	98.8	98.8	99.0	
IV 800	59.3	67.3	79.6	86.3	88.6	91.8	93.8	94.4	96.6	97.5	98.4	98.9	99.3	99.3	99.5	
IV 600	59.3	67.3	79.6	86.3	88.6	91.8	93.8	94.4	96.7	97.6	98.6	99.1	99.5	99.5	99.7	
IV 500	59.3	67.3	79.6	86.3	88.7	91.9	93.9	94.5	96.8	97.7	98.7	99.2	99.6	99.6	99.8	
IV 400	59.3	67.3	79.6	86.3	88.7	91.9	93.9	94.5	96.8	97.7	98.7	99.2	99.6	99.6	99.8	
IV 300	59.3	67.3	79.6	86.3	88.7	91.9	93.9	94.5	97.0	97.9	98.9	99.4	99.8	99.8	100.0	
IV 200	59.3	67.3	79.6	86.3	88.7	91.9	93.9	94.5	97.0	97.9	98.9	99.4	99.8	99.8	100.0	
IV 100	59.3	67.3	79.6	86.3	88.7	91.9	93.9	94.5	97.0	97.9	98.9	99.4	99.8	99.8	100.0	
IV 0	59.3	67.3	79.6	86.3	88.7	91.9	93.9	94.5	97.0	97.9	98.9	99.4	99.8	99.8	100.0	

TOTAL NUMBER OF OBSERVATIONS 970

CEILING VERSUS VISIBILITY

SEP

1529-1700

924

34068

SA-D-DFEN GERMANY/COLEMAN AAF

60-70

232

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1074-2007

TOTAL NUMBER OF OBSERVATIONS

742

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

34068

SANDOWEN GERMANY/COLEMAN AAF

69

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1
NO CEILING															
IV 1000															
IV 800															
IV 600															
IV 400															
IV 200															
IV 100															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															
IV 400	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 300	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 200	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2

USAFETAC

FORM 10-64

0 14 5 10 L 14 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/PAC

CEILING VERSUS VISIBILITY

34068

SA DUEFEE GERMANY/COLEMAN AAF

01-64

CT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	25	25	24	23	22.5	22	21.5	21	20	20	20	20	20	20
NO CEILING	6.2	9.3	16.5	19.6	22.7	28.9	29.9	29.9	33.0	35.1	36.1	39.2	39.2	39.2	41.2
IV 20000	6.2	9.3	16.5	20.6	24.7	30.9	33.0	33.0	36.1	38.1	39.2	42.3	42.3	42.3	44.3
IV 18000	6.2	9.3	16.5	20.6	24.7	30.9	33.0	33.0	36.1	38.1	39.2	42.3	42.3	42.3	44.3
IV 16000	6.2	9.3	16.5	20.6	24.7	30.9	33.0	33.0	36.1	38.1	39.2	42.3	42.3	42.3	44.3
IV 14000	6.2	9.3	16.5	20.6	24.7	30.9	33.0	33.0	36.1	38.1	39.2	42.3	42.3	42.3	44.3
IV 12000	6.2	9.3	16.5	20.6	24.7	30.9	33.0	33.0	36.1	38.1	39.2	42.3	42.3	42.3	44.3
IV 10000	6.2	9.3	16.5	20.6	24.7	30.9	33.0	33.0	36.1	39.2	40.2	43.3	43.3	43.3	45.4
IV 8000	6.2	9.3	16.5	20.6	24.7	30.9	33.0	33.0	36.1	39.2	40.2	43.3	43.3	43.3	45.4
IV 7000	8.2	11.3	18.6	22.7	26.8	34.0	35.1	36.1	39.2	42.3	43.3	46.4	46.4	46.4	48.5
IV 6000	8.2	11.3	18.6	22.7	26.8	34.0	35.1	37.1	40.2	44.3	45.4	48.5	48.5	48.5	50.5
IV 5000	9.3	12.4	21.6	25.7	29.8	38.1	40.2	40.2	44.3	48.5	49.5	52.6	52.6	52.6	54.6
IV 4500	11.3	15.5	25.8	29.9	34.0	42.3	46.4	46.4	50.5	54.6	55.7	58.8	58.8	58.8	60.9
IV 4000	12.4	16.5	27.8	33.0	37.1	46.4	49.5	49.5	53.6	57.7	58.8	61.9	61.9	61.9	63.9
IV 3500	14.4	18.6	30.9	36.1	40.2	49.5	52.6	52.6	56.7	60.8	61.9	64.9	64.9	64.9	67.0
IV 3000	14.4	18.6	32.0	37.1	41.2	50.5	53.6	53.6	58.8	62.9	63.9	67.0	67.0	67.0	69.1
IV 2500	16.5	21.6	35.1	40.2	44.3	53.6	56.7	56.7	62.9	67.0	68.1	71.1	71.1	71.1	73.2
IV 2000	18.6	24.7	40.2	45.4	49.5	58.8	62.9	62.9	69.1	73.2	74.2	77.3	77.3	77.3	79.4
IV 1800	18.6	24.7	41.2	46.5	50.5	61.9	66.0	66.0	72.2	76.3	77.3	80.4	80.4	80.4	82.5
IV 1500	18.6	24.7	41.2	46.5	50.5	61.9	67.0	67.0	73.2	77.3	78.4	81.4	81.4	81.4	83.5
IV 1200	18.6	24.7	41.2	46.5	50.5	61.9	67.0	67.0	73.2	77.3	78.4	81.4	81.4	81.4	83.5
IV 1000	18.6	24.7	41.2	46.5	50.5	61.9	67.0	67.0	73.2	77.3	78.4	81.4	81.4	81.4	83.5
IV 900	18.6	24.7	41.2	46.5	50.5	61.9	67.0	67.0	73.2	77.3	78.4	81.4	81.4	81.4	83.5
IV 800	18.6	24.7	41.2	46.5	50.5	61.9	67.0	67.0	73.2	77.3	78.4	81.4	81.4	81.4	83.5
IV 700	18.6	24.7	41.2	46.5	50.5	61.9	67.0	67.0	73.2	77.3	78.4	81.4	81.4	81.4	83.5
IV 600	18.6	24.7	41.2	46.5	50.5	61.9	67.0	67.0	73.2	77.3	78.4	81.4	81.4	81.4	83.5
IV 500	18.6	24.7	41.2	46.5	50.5	61.9	67.0	67.0	73.2	77.3	78.4	81.4	81.4	81.4	83.5
IV 400	18.6	24.7	41.2	46.5	50.5	61.9	67.0	67.0	73.2	77.3	78.4	81.4	81.4	81.4	83.5
IV 300	18.6	24.7	41.2	46.5	50.5	61.9	67.0	67.0	73.2	77.3	78.4	81.4	81.4	81.4	83.5
IV 200	18.6	24.7	41.2	46.5	50.5	61.9	67.0	67.0	73.2	77.3	78.4	81.4	81.4	81.4	83.5
IV 100	18.6	24.7	41.2	46.5	50.5	61.9	67.0	67.0	73.2	77.3	78.4	81.4	81.4	81.4	83.5
IV 0	18.6	24.7	41.2	46.5	50.5	61.9	67.0	67.0	73.2	77.3	78.4	81.4	81.4	81.4	83.5

TOTAL NUMBER OF OBSERVATIONS

97

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34068

SA-DUEFEN GERMANY/CULEMAN AAF

39-70

LCI

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0900

CEILING FEET	VISIBILITY - STATUTE MILES															
	210	24	25	24	23	22.5	22	21.5	21	20	20	20	20	20	20	20
NO CEILING	5.2	7.2	9.0	12.2	14.1	15.9	17.3	17.9	20.6	22.0	22.9	24.2	25.4	25.8	29.7	
IV 20000	5.9	8.0	10.4	14.9	17.1	19.5	21.5	22.3	25.6	27.3	28.3	29.7	31.4	32.0	36.3	
IV 18000	5.9	8.0	10.5	15.0	17.2	19.6	21.6	22.4	25.7	27.4	28.4	29.8	31.5	32.1	36.6	
IV 16000	5.9	8.0	10.5	15.0	17.2	19.6	21.6	22.4	25.7	27.4	28.4	29.8	31.5	32.1	36.6	
IV 14000	5.9	8.0	10.5	15.0	17.2	19.6	21.6	22.4	25.7	27.4	28.4	29.8	31.5	32.1	36.6	
IV 12000	5.9	8.0	10.5	15.0	17.2	19.8	21.8	22.6	25.9	27.6	28.6	30.0	31.7	32.3	36.8	
IV 10000	6.0	8.3	10.8	15.4	17.7	20.3	22.4	23.2	26.7	28.3	29.4	30.7	32.4	33.0	37.7	
IV 9000	6.1	9.0	11.7	16.4	18.6	21.5	23.8	24.6	28.2	30.0	31.0	32.4	34.1	34.7	39.4	
IV 8000	6.9	9.8	13.1	18.1	20.4	23.6	26.0	26.9	30.7	32.7	33.8	35.1	36.8	37.4	42.4	
IV 7000	9.4	11.5	15.2	20.5	23.1	26.7	29.1	30.0	34.0	35.9	37.0	38.3	40.0	40.6	45.6	
IV 6000	9.4	12.8	17.1	23.0	25.7	29.7	32.2	33.1	37.3	39.6	40.6	42.0	43.6	44.3	49.3	
IV 5000	10.5	14.5	19.4	25.5	28.2	32.6	35.6	36.6	40.7	43.4	44.6	45.9	47.7	48.3	53.3	
IV 4500	11.5	15.7	20.9	27.2	30.0	34.6	37.8	38.8	43.0	45.8	47.0	48.3	50.1	50.7	55.7	
IV 4000	12.8	17.3	23.1	29.9	32.7	37.7	40.9	41.9	46.3	49.2	50.3	51.7	53.5	54.2	59.2	
IV 3500	13.8	19.1	25.6	32.9	35.9	41.3	44.5	45.4	50.0	53.2	54.4	55.7	57.6	58.2	63.2	
IV 3000	15.2	20.9	28.0	35.5	38.5	44.4	47.9	48.9	53.4	56.9	58.0	59.4	61.3	61.9	66.9	
IV 2500	16.4	22.6	30.9	39.6	43.1	49.6	53.6	54.6	59.5	63.6	64.9	66.7	68.5	69.2	74.2	
IV 2000	16.9	23.6	32.6	41.7	45.4	52.4	56.7	57.6	62.7	67.0	68.3	70.1	72.0	72.6	77.6	
IV 1800	17.1	23.9	33.0	42.1	45.9	52.8	57.2	58.2	63.3	67.7	69.1	70.8	72.7	73.3	78.3	
IV 1500	17.1	24.2	33.4	42.6	46.5	53.9	58.3	59.6	65.1	69.7	71.0	72.8	74.7	75.3	80.3	
IV 1200	17.1	24.2	33.6	42.9	46.8	54.2	59.3	60.4	65.9	70.5	71.9	73.6	75.6	76.3	81.3	
IV 1000	17.2	24.3	33.9	43.4	47.3	54.7	59.9	61.1	66.9	71.6	73.0	74.8	76.8	77.4	82.4	
IV 900	17.2	24.3	33.9	43.4	47.3	54.8	60.1	61.4	67.1	71.9	73.3	75.1	77.1	77.7	82.7	
IV 800	17.3	24.4	34.3	43.9	47.8	55.3	60.6	61.9	67.6	72.5	74.0	75.7	77.7	78.3	83.3	
IV 700	17.3	24.4	34.3	43.9	47.8	55.4	60.7	62.0	67.7	72.7	74.2	75.9	77.9	78.5	83.6	
IV 600	17.3	24.4	34.4	44.2	48.1	55.7	61.1	62.4	68.1	73.1	74.6	76.3	78.3	79.2	84.3	
IV 500	17.3	24.4	34.4	44.2	48.1	55.7	61.3	62.5	68.2	73.4	75.2	77.2	79.4	80.0	85.2	
IV 400	17.3	24.5	34.5	44.3	48.2	55.8	61.4	62.8	68.8	74.1	75.9	77.9	80.3	80.9	86.1	
IV 300	17.3	24.5	34.6	44.4	48.3	55.9	61.5	62.9	69.0	74.7	76.8	78.8	81.4	82.7	88.9	
IV 200	17.4	24.6	34.7	44.5	48.4	56.0	61.6	63.0	69.2	75.1	77.2	79.3	82.1	83.5	91.7	
IV 100	17.4	24.6	34.7	44.5	48.4	56.1	61.7	63.1	69.4	75.3	77.5	79.6	82.5	84.1	97.8	
IV 0	17.4	24.6	34.7	44.5	48.4	56.1	61.7	63.1	69.5	75.4	77.6	79.7	82.6	84.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 960

USAFETAC

FORM
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34066

SA BIEFEN GERMANY/COLEMAN AAF

59-76

ACT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .7	≥ .6	≥ .5	≥ 0
NO CEILING		6.8	6.5	13.2	16.6	18.1	20.4	23.9	24.4	25.6	26.6	27.1	27.4	28.5	28.5	29.7
≥ 20000		8.1	10.3	15.0	19.3	21.2	23.7	27.7	28.4	30.7	32.3	32.6	33.2	34.3	34.3	35.9
≥ 18000		8.1	10.3	15.0	19.3	21.2	23.7	27.7	28.4	30.7	32.3	32.6	33.2	34.3	34.3	35.8
≥ 16000		8.1	10.3	15.0	19.3	21.2	23.7	27.7	28.4	30.7	32.3	32.6	33.2	34.3	34.3	35.8
≥ 14000		8.7	11.0	16.1	20.3	22.3	24.9	28.9	29.6	31.9	33.4	33.9	34.4	35.5	35.5	36.9
≥ 12000		8.7	11.0	16.1	20.3	22.3	24.9	28.9	29.6	31.9	33.4	33.9	34.4	35.5	35.5	36.9
≥ 10000		9.4	11.7	17.0	21.3	23.3	25.9	29.8	30.5	32.0	34.6	35.1	35.6	36.6	36.6	38.1
≥ 9000		10.1	12.4	17.9	22.8	24.7	27.6	31.7	32.4	35.1	36.7	37.2	37.7	38.8	38.8	40.2
≥ 8000		10.9	13.9	20.4	25.7	27.7	31.0	35.3	36.0	38.9	40.7	41.3	41.8	42.8	42.8	44.3
≥ 7000		12.1	15.3	22.7	28.1	30.2	33.6	38.3	39.1	42.1	44.0	44.6	45.1	46.1	46.1	47.6
≥ 6000		12.6	15.8	23.4	29.1	31.7	35.6	40.6	41.7	45.1	47.1	47.7	48.2	49.2	49.2	50.7
≥ 5000		13.1	16.7	25.2	31.4	34.1	38.3	43.7	44.9	48.4	50.9	51.5	51.9	53.0	53.0	54.5
≥ 4500		14.1	18.0	27.0	33.3	36.2	40.9	46.6	47.8	51.4	53.8	54.5	54.9	56.0	56.0	57.5
≥ 4000		15.1	19.5	29.8	36.5	39.5	44.5	50.2	51.4	55.3	57.8	58.5	59.0	60.1	60.1	61.5
≥ 3500		16.4	21.6	32.8	39.8	43.2	48.3	54.1	55.2	59.2	61.8	62.6	63.3	64.3	64.3	65.8
≥ 3000		17.2	23.2	35.6	43.2	46.6	51.9	57.9	59.2	63.2	66.0	66.8	67.4	68.5	68.5	70.0
≥ 2500		18.8	25.0	38.4	47.1	50.7	56.2	63.0	64.2	68.7	71.6	72.5	73.2	74.2	74.2	75.7
≥ 2000		19.1	25.6	39.2	48.4	52.0	57.9	64.8	66.3	71.3	74.4	75.3	76.0	77.0	77.0	78.5
≥ 1800		19.2	25.9	39.6	48.8	52.5	58.4	65.5	67.0	72.0	75.1	76.1	76.8	77.9	77.9	79.4
≥ 1500		19.2	26.0	40.0	49.2	52.9	59.1	66.4	68.0	73.3	76.4	77.4	78.5	79.6	79.6	81.0
≥ 1200		19.4	26.2	40.8	50.3	54.0	60.3	67.8	69.7	75.1	78.2	79.3	80.3	81.4	81.4	82.8
≥ 1000		19.4	26.3	41.0	50.7	54.4	60.7	68.2	70.2	75.7	79.3	80.4	81.6	82.8	82.8	84.3
≥ 900		19.4	26.3	41.0	50.7	54.4	60.8	68.3	70.3	75.8	79.4	80.5	81.7	82.8	82.8	84.5
≥ 800		19.4	26.3	41.1	50.9	54.7	61.1	68.7	70.6	76.2	80.0	81.3	82.5	83.7	83.7	85.4
≥ 700		19.4	26.3	41.1	50.9	54.7	61.2	68.8	70.7	76.3	80.3	81.7	82.8	84.1	84.1	85.8
≥ 600		19.5	26.5	41.3	51.1	54.8	61.4	69.1	71.0	76.6	80.7	82.1	83.2	84.6	84.6	86.6
≥ 500		19.5	26.6	41.4	51.2	55.0	61.7	69.4	71.3	77.3	81.9	83.3	84.5	86.2	86.4	88.2
≥ 400		19.5	26.6	41.4	51.2	55.0	61.7	69.4	71.3	77.3	82.3	83.8	85.1	87.1	87.3	89.8
≥ 300		19.5	26.6	41.4	51.2	55.0	61.7	69.4	71.3	77.6	82.4	84.1	85.7	88.3	88.9	93.1
≥ 200		19.5	26.6	41.5	51.3	55.1	61.8	69.5	71.4	77.7	82.5	84.2	85.9	89.0	90.3	96.3
≥ 100		19.5	26.6	41.5	51.3	55.1	61.8	69.5	71.4	78.2	82.9	84.7	86.3	89.5	90.9	99.5
≥ 0		19.5	26.6	41.5	51.3	55.1	61.8	69.5	71.4	78.2	82.9	84.7	86.3	89.5	90.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1032

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34068 SA D-WFEN GERMANY/COLEMAN AAF 59-70

CT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATISTICAL															
	20	26	28	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	13.8	15.9	21.1	25.3	26.7	29.0	30.3	30.8	31.4	33.2	33.6	34.3	35.0	35.0	35.5	35.5
IV 2000	15.8	18.9	25.1	29.7	31.2	34.0	35.7	36.5	37.2	39.1	39.6	40.4	41.2	41.2	41.6	41.6
IV 1800	15.9	19.0	25.2	29.8	31.3	34.1	35.8	36.6	37.4	39.2	39.7	40.5	41.3	41.3	41.7	41.7
IV 1600	17.0	19.1	25.3	29.9	31.4	34.2	35.9	36.7	37.5	39.3	39.8	40.6	41.4	41.4	41.8	41.8
IV 1400	17.1	19.2	25.5	30.1	31.6	34.4	36.1	36.9	37.6	39.5	40.0	40.8	41.6	41.6	42.0	42.0
IV 1200	17.4	19.3	26.1	30.8	32.4	35.2	37.0	37.7	38.5	42.4	40.9	41.7	42.5	42.5	43.2	43.2
IV 1000	18.0	20.3	27.1	32.0	33.7	36.6	38.2	39.1	40.1	42.0	42.5	43.3	44.1	44.1	44.8	44.8
IV 900	18.8	21.2	28.8	34.0	35.7	38.5	40.2	41.1	42.1	44.0	44.6	45.4	46.2	46.2	46.9	46.9
IV 800	21.1	23.8	31.6	37.1	38.8	41.7	43.4	44.3	45.3	47.2	47.9	48.7	49.5	49.5	50.2	50.2
IV 700	23.2	26.1	34.3	40.1	42.0	44.9	46.6	47.5	48.6	50.5	51.2	52.0	52.9	52.9	53.6	53.6
IV 600	25.2	28.9	37.3	43.5	45.4	48.7	50.4	51.3	52.4	54.4	55.1	56.0	56.9	56.9	57.6	57.6
IV 500	26.4	30.4	39.3	46.1	48.0	51.9	53.3	54.2	55.6	57.6	58.3	59.2	60.1	60.1	60.8	60.8
IV 450	27.2	31.5	40.6	47.8	49.7	53.3	55.4	56.3	57.7	59.8	60.5	61.4	62.3	62.3	62.9	62.9
IV 400	29.5	34.0	43.9	51.7	53.6	57.5	59.7	60.6	62.0	64.2	64.9	65.8	66.7	66.7	67.4	67.4
IV 350	31.8	36.6	46.8	54.8	56.8	60.7	62.8	63.7	65.1	67.4	68.2	69.1	70.0	70.0	70.7	70.7
IV 300	34.7	40.1	52.0	60.5	62.5	66.3	68.9	69.8	71.2	73.6	74.4	75.2	76.2	76.2	76.9	76.9
IV 250	36.6	42.5	56.2	65.7	67.7	71.6	74.7	75.7	77.4	79.7	80.5	81.4	82.3	82.3	83.0	83.0
IV 200	37.5	44.2	58.1	68.1	70.1	74.3	77.7	78.9	80.8	83.1	84.1	85.0	85.9	85.9	86.6	86.6
IV 1800	37.5	44.6	58.6	68.7	70.7	75.1	78.3	79.6	81.5	83.8	84.8	85.7	86.6	86.6	87.3	87.3
IV 1500	37.8	45.1	59.3	69.7	71.8	76.2	79.6	80.9	82.0	84.4	85.4	86.3	87.2	87.2	87.9	87.9
IV 1200	37.9	45.3	59.7	70.5	72.7	77.2	80.7	82.2	84.3	87.0	87.9	88.8	89.6	89.6	90.3	90.3
IV 1000	37.9	45.3	59.7	70.6	72.8	77.3	81.1	82.6	85.0	87.7	88.6	89.7	90.7	90.7	91.4	91.4
IV 900	38.0	45.4	59.9	71.0	73.2	77.9	81.6	83.1	85.5	88.5	89.6	90.5	91.5	91.5	92.2	92.2
IV 800	38.0	45.4	59.9	71.1	73.3	78.1	81.8	83.3	85.8	88.8	90.0	90.9	91.9	91.9	92.6	92.6
IV 700	38.0	45.4	59.9	71.1	73.3	78.2	82.0	83.6	86.2	89.3	90.5	91.4	92.4	92.4	93.1	93.1
IV 600	38.0	45.6	60.1	71.2	73.5	78.4	82.2	83.8	86.6	89.7	91.2	92.1	93.1	93.1	93.8	93.8
IV 500	38.0	45.6	60.2	71.4	73.6	78.5	82.7	84.5	87.5	91.1	92.7	93.7	94.7	94.7	95.4	95.4
IV 400	38.0	45.6	60.2	71.4	73.6	78.5	82.7	84.5	87.7	91.8	93.3	94.9	96.3	96.3	97.2	97.2
IV 300	38.0	45.6	60.2	71.4	73.6	78.5	82.7	84.6	87.9	92.3	94.2	95.7	97.3	97.3	98.3	98.3
IV 200	38.0	45.6	60.2	71.4	73.6	78.5	82.7	84.6	87.9	92.3	94.2	95.7	97.3	97.3	98.3	98.3
IV 100	38.0	45.6	60.2	71.4	73.6	78.5	82.7	84.6	88.2	92.6	94.6	96.3	98.3	98.3	99.0	99.0
IV 0	38.0	45.6	60.2	71.4	73.6	78.5	82.7	84.6	88.2	92.6	94.6	96.3	98.3	98.3	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

1204

USAFETAC

FORM
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

-CT

1500-1700

963

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34068

SA D-JREX GERMANY/COLEMAN AAF

61-70

-CT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY, STATUTE MILES															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
NO CEILING	15.8	23.3	27.9	31.3	33.3	35.7	37.0	37.3	37.5	40.2	40.9	41.0	42.4	42.4	42.5	
≥ 2500	19.2	26.9	31.7	33.5	37.5	40.8	42.3	42.7	44.0	45.7	46.9	47.2	48.6	48.6	48.8	
≥ 2000	19.2	26.9	31.7	33.5	37.5	40.8	42.3	42.7	44.0	45.7	46.9	47.2	48.6	48.6	48.8	
≥ 1800	19.2	26.9	31.7	33.5	37.5	40.8	42.3	42.7	44.0	45.7	46.9	47.2	48.6	48.6	48.8	
≥ 1600	19.2	26.9	31.7	33.5	37.5	40.8	42.3	42.7	44.0	45.7	46.9	47.2	48.6	48.6	48.8	
≥ 1400	19.2	26.9	31.7	33.5	37.5	40.8	42.3	42.7	44.0	45.7	46.9	47.2	48.6	48.6	48.8	
≥ 1200	19.5	27.2	32.0	35.7	37.8	41.1	42.5	43.0	44.3	46.0	47.2	47.5	48.9	48.9	49.1	
≥ 1000	20.0	27.6	32.6	36.6	38.6	42.0	43.6	44.0	45.3	47.0	48.2	48.5	49.9	49.9	50.1	
≥ 800	20.8	28.3	33.4	37.6	39.7	43.0	44.6	45.0	46.3	48.2	49.3	49.8	51.2	51.2	51.4	
≥ 600	23.7	31.3	36.9	41.4	43.6	46.9	48.5	48.9	50.4	52.2	53.4	53.8	55.3	55.3	55.4	
≥ 400	25.3	33.7	39.2	44.0	46.3	50.1	52.0	52.4	54.0	55.9	57.0	57.5	58.9	58.9	59.0	
≥ 200	28.1	36.9	42.4	47.3	49.6	53.5	55.6	56.0	57.6	59.6	60.8	61.2	62.7	62.7	62.8	
≥ 100	31.1	40.2	46.9	52.1	54.8	58.9	60.9	61.4	63.1	65.1	66.3	66.7	68.2	68.2	68.3	
≥ 50	33.6	42.8	49.6	54.8	57.7	61.8	63.8	64.3	66.0	68.0	69.3	69.8	71.2	71.2	71.3	
≥ 25	35.0	44.4	52.0	57.5	60.3	64.5	66.6	67.0	68.9	70.9	72.4	72.9	74.4	74.4	74.5	
≥ 15	37.3	47.3	55.6	61.1	64.0	68.7	70.8	71.3	73.2	75.3	76.7	77.4	78.9	78.9	79.0	
≥ 10	38.8	48.9	58.0	63.7	66.9	72.1	74.1	74.7	76.8	78.9	80.6	81.3	82.8	82.8	82.9	
≥ 5	39.9	50.7	60.3	66.3	69.6	74.8	77.0	77.6	79.9	81.9	83.6	84.4	85.8	85.8	86.0	
≥ 3	40.1	50.9	61.2	67.6	71.2	76.7	79.2	79.9	82.6	84.7	86.4	87.1	88.6	88.6	88.7	
≥ 2	40.1	50.9	61.4	67.9	71.6	77.7	80.6	81.3	84.2	86.3	88.0	88.7	90.2	90.2	90.3	
≥ 1	40.1	51.4	61.8	68.3	72.4	78.6	81.5	82.2	85.4	87.7	89.4	90.2	91.6	91.6	91.8	
≥ 0	40.1	51.4	62.1	68.6	72.6	78.9	81.8	82.5	85.7	88.0	89.7	90.4	91.9	91.9	92.0	
≥ 0	40.1	51.5	62.2	68.7	72.8	79.2	82.1	82.8	86.0	88.3	90.0	90.7	92.2	92.2	92.3	
≥ 0	40.2	51.7	62.4	68.9	72.9	79.3	82.3	83.1	86.4	88.9	90.6	91.3	92.8	92.8	92.9	
≥ 0	40.2	51.8	62.5	69.0	73.1	79.5	82.5	83.2	86.5	89.1	90.9	91.6	93.1	93.1	93.2	
≥ 0	40.2	52.1	62.8	69.3	73.4	79.7	82.9	83.6	87.1	90.2	92.2	92.9	94.5	94.5	94.6	
≥ 0	40.2	52.1	62.8	69.3	73.7	80.2	83.4	84.1	87.6	90.6	92.6	93.3	95.5	95.5	95.6	
≥ 0	40.2	52.1	62.8	69.3	73.7	80.2	83.4	84.1	87.6	90.9	92.9	93.8	95.9	95.9	96.2	
≥ 0	40.2	52.1	62.8	69.3	73.7	80.2	83.4	84.1	87.6	90.9	92.9	93.8	96.1	96.2	96.3	
≥ 0	40.2	52.1	62.8	69.3	73.7	80.2	83.4	84.1	87.7	91.0	93.1	93.9	96.8	97.1	97.1	

TOTAL NUMBER OF OBSERVATIONS 691

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34060

SA DUEBEN GERMANY/COLEMAN AAF

61-64,60

REV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ .001
NO CEILING	6.4	11.9	18.3	20.2	20.2	24.8	24.8	24.8	24.8	25.7	25.7	26.6	27.5	27.5	32.1	
≥ 2500	6.4	11.9	19.3	21.1	22.0	26.6	26.6	26.6	26.6	28.4	28.4	29.4	30.3	30.3	34.9	
≥ 2000	6.4	11.9	19.3	21.1	22.0	26.6	26.6	26.6	26.6	28.4	28.4	29.4	30.3	30.3	34.9	
≥ 1500	6.4	11.9	19.3	21.1	22.0	26.6	26.6	26.6	26.6	28.4	28.4	29.4	30.3	30.3	34.9	
≥ 1000	6.4	11.9	19.3	21.1	22.0	26.6	26.6	26.6	26.6	28.4	28.4	29.4	30.3	30.3	34.9	
≥ 800	7.3	12.8	20.2	22.0	23.9	28.4	28.4	28.4	28.4	30.3	30.3	31.2	32.1	32.1	36.7	
≥ 600	7.3	12.8	20.2	22.0	23.9	28.4	28.4	28.4	28.4	30.3	30.3	31.2	32.1	32.1	36.7	
≥ 400	8.3	13.8	21.1	22.9	24.8	29.4	29.4	29.4	29.4	31.2	31.2	32.1	33.0	33.0	37.6	
≥ 300	10.1	15.6	22.9	25.7	27.5	32.1	32.1	32.1	32.1	33.9	33.9	34.9	35.8	35.8	40.4	
≥ 200	10.1	16.5	24.8	27.5	29.4	33.9	33.9	33.9	33.9	35.8	35.8	36.7	37.6	37.6	42.2	
≥ 150	11.9	19.3	28.4	31.2	33.0	37.6	37.6	37.6	37.6	39.4	39.4	40.4	42.2	42.2	46.8	
≥ 100	13.8	22.0	35.8	38.5	40.4	45.0	45.0	45.0	45.0	46.8	46.8	47.7	48.6	48.6	52.1	
≥ 75	14.7	22.9	37.6	40.4	42.2	47.7	47.7	47.7	47.7	49.5	49.5	50.5	52.3	52.3	56.9	
≥ 50	15.6	22.9	39.4	42.2	44.0	52.3	52.3	52.3	52.3	54.1	54.1	55.0	56.9	56.9	61.5	
≥ 25	20.2	28.4	45.0	49.5	51.4	61.5	62.4	62.4	62.4	63.3	63.3	65.1	67.9	67.9	72.5	
≥ 20	22.0	31.2	47.7	52.3	55.0	67.9	67.9	67.9	67.9	69.7	69.7	70.6	72.5	72.5	77.1	
≥ 18	22.0	31.2	48.6	54.1	56.9	68.8	67.9	67.9	68.8	70.6	70.6	71.6	73.4	73.4	78.0	
≥ 16	22.0	31.2	51.4	56.9	58.7	68.8	70.6	70.6	71.6	73.4	73.4	74.3	76.1	76.1	81.7	
≥ 14	22.0	31.2	52.3	58.7	60.6	73.4	73.4	73.4	74.3	76.1	76.1	77.1	78.9	78.9	84.4	
≥ 12	22.0	31.2	53.2	59.6	61.5	74.3	76.1	76.1	77.1	78.9	78.9	80.7	82.6	82.6	87.2	
≥ 10	22.0	31.2	53.2	59.6	61.5	74.3	76.1	76.1	77.1	78.9	78.9	80.7	82.6	82.6	87.2	
≥ 9	22.0	31.2	53.2	59.6	61.5	74.3	76.1	76.1	77.1	78.9	78.9	80.7	82.6	82.6	87.2	
≥ 8	22.0	31.2	53.2	59.6	61.5	74.3	76.1	76.1	77.1	78.9	78.9	80.7	82.6	82.6	87.2	
≥ 7	22.0	31.2	53.2	59.6	61.5	74.3	76.1	76.1	77.1	78.9	78.9	80.7	82.6	82.6	87.2	
≥ 6	22.0	31.2	53.2	59.6	61.5	74.3	76.1	76.1	77.1	78.9	78.9	80.7	82.6	82.6	87.2	
≥ 5	22.0	31.2	53.2	59.6	61.5	74.3	76.1	76.1	77.1	78.9	78.9	80.7	82.6	82.6	87.2	
≥ 4	22.0	31.2	53.2	59.6	61.5	74.3	76.1	76.1	77.1	78.9	78.9	80.7	82.6	82.6	87.2	
≥ 3	22.0	31.2	53.2	59.6	61.5	74.3	76.1	76.1	77.1	78.9	78.9	80.7	82.6	82.6	87.2	
≥ 2	22.0	31.2	53.2	59.6	61.5	74.3	76.1	76.1	77.1	78.9	78.9	80.7	82.6	82.6	87.2	
≥ 1	22.0	31.2	53.2	59.6	61.5	74.3	76.1	76.1	77.1	78.9	78.9	80.7	82.6	82.6	87.2	
≥ .75	22.0	31.2	53.2	59.6	61.5	74.3	76.1	76.1	77.1	78.9	78.9	80.7	82.6	82.6	87.2	
≥ .5	22.0	31.2	53.2	59.6	61.5	74.3	76.1	76.1	77.1	78.9	78.9	80.7	82.6	82.6	87.2	
≥ .25	22.0	31.2	53.2	59.6	61.5	74.3	76.1	76.1	77.1	78.9	78.9	80.7	82.6	82.6	87.2	
≥ .1	22.0	31.2	53.2	59.6	61.5	74.3	76.1	76.1	77.1	78.9	78.9	80.7	82.6	82.6	87.2	
≥ .05	22.0	31.2	53.2	59.6	61.5	74.3	76.1	76.1	77.1	78.9	78.9	80.7	82.6	82.6	87.2	
≥ .01	22.0	31.2	53.2	59.6	61.5	74.3	76.1	76.1	77.1	78.9	78.9	80.7	82.6	82.6	87.2	
≥ .001	22.0	31.2	53.2	59.6	61.5	74.3	76.1	76.1	77.1	78.9	78.9	80.7	82.6	82.6	87.2	

TOTAL NUMBER OF OBSERVATIONS

109

USAFETAC

FORM
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING UNIT
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34068

SA DUREN GERMANY/C-119 AAF

59-70

ATY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0900

CEILING (FEET)	VISIBILITY (STAT MILES)															
	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	7	8	9	10	12
1000	7.2	6.9	11.5	12.3	13.2	14.2	16.0	16.2	17.2	18.3	18.4	18.7	19.2	19.6	22.7	
900	8.6	11.6	12.4	14.5	15.5	17.1	19.0	19.2	20.3	21.6	21.7	21.9	22.5	22.8	25.4	
800	8.4	10.6	12.4	14.5	15.5	17.1	19.0	19.2	20.3	21.6	21.7	21.9	22.5	22.8	25.4	
700	8.6	11.6	12.4	14.5	15.5	17.1	19.0	19.2	20.3	21.6	21.7	21.9	22.5	22.8	25.4	
600	8.4	11.6	12.4	14.5	15.5	17.1	19.0	19.2	20.3	21.6	21.7	21.9	22.5	22.8	25.4	
500	8.6	11.7	12.5	14.9	15.9	17.9	19.7	19.7	20.8	22.0	22.1	22.3	22.9	23.2	25.3	
400	8.8	11.2	13.2	15.6	16.8	18.9	20.4	20.7	22.0	23.2	23.4	23.6	24.1	24.5	27.0	
300	9.9	12.4	14.5	17.1	18.2	20.0	21.9	22.1	23.5	24.7	24.9	25.0	25.7	26.0	28.7	
200	11.3	14.3	16.8	19.6	21.0	23.1	25.3	25.9	26.9	28.2	28.3	28.5	29.2	29.5	32.2	
100	12.7	16.4	19.2	22.3	23.8	26.0	28.2	28.4	30.1	31.4	31.5	31.7	32.4	32.7	35.5	
0	14.5	19.1	22.3	26.3	27.8	30.5	32.8	33.1	35.1	36.4	36.6	36.9	37.7	38.0	40.8	
1000	19.2	21.3	23.3	29.2	30.9	34.0	36.6	36.9	39.9	40.3	40.5	41.1	42.0	42.3	45.1	
900	17.4	22.9	27.2	31.1	33.0	36.1	38.8	39.0	41.2	42.7	43.1	43.5	44.4	44.7	47.5	
800	18.5	24.2	28.5	33.2	35.5	38.9	41.6	41.8	44.0	45.6	46.0	46.4	47.3	47.6	50.4	
700	19.8	26.0	31.5	36.4	39.0	43.0	46.0	46.3	48.5	50.1	50.6	50.9	51.8	52.2	55.1	
600	22.8	29.8	37.2	42.0	45.7	50.7	54.2	54.5	57.2	59.0	59.9	60.2	61.1	61.5	64.4	
500	24.4	32.7	42.2	48.2	51.5	56.9	60.9	61.5	64.7	66.7	67.6	67.9	68.8	69.2	72.1	
400	26.7	35.5	45.8	52.6	56.4	62.6	66.7	67.4	70.7	73.0	73.9	74.2	75.1	75.4	78.3	
300	26.9	36.2	46.8	54.0	58.0	64.9	68.5	69.2	72.7	75.1	76.0	76.3	77.2	77.5	80.4	
200	27.3	37.2	48.4	56.0	60.1	67.0	71.0	72.3	75.9	78.2	79.1	79.6	80.4	80.8	83.7	
100	27.3	37.7	49.2	57.0	61.3	68.9	73.3	74.0	77.8	80.3	81.5	82.0	83.0	83.4	86.3	
0	27.3	37.7	49.2	57.0	61.3	68.9	73.3	74.0	77.8	80.3	81.5	82.0	83.0	83.4	86.3	
1000	27.3	37.7	49.2	57.2	61.9	69.5	74.6	75.5	79.4	82.2	83.4	83.9	85.1	85.5	88.4	
900	27.3	37.7	49.2	57.2	61.9	69.7	75.1	76.1	80.2	83.4	84.5	85.0	86.3	86.6	89.5	
800	27.3	37.9	49.4	57.4	62.1	70.3	75.6	76.6	80.9	84.0	85.1	85.7	86.9	87.3	90.2	
700	27.3	38.0	49.5	57.5	62.2	70.8	76.1	77.1	81.6	84.9	86.1	87.0	88.6	88.9	91.8	
600	27.3	38.0	49.5	57.5	62.2	70.8	76.2	77.2	81.7	85.0	86.3	87.5	89.1	89.4	92.3	
500	27.3	38.0	49.5	57.8	62.5	70.9	76.5	77.5	82.0	85.4	87.2	88.2	90.1	90.4	93.7	
400	27.3	38.0	49.5	57.8	62.5	70.9	76.8	77.8	82.3	85.8	87.7	88.8	91.1	91.4	95.0	
300	27.3	38.0	49.5	57.8	62.5	70.9	76.8	77.8	82.3	86.0	88.0	89.2	91.3	92.1	96.4	
200	27.3	38.0	49.5	57.8	62.5	70.9	76.8	77.8	82.3	86.0	88.0	89.3	91.5	92.1	98.8	
100	27.3	38.0	49.5	57.8	62.5	70.9	76.8	77.8	82.3	86.0	88.0	89.3	91.7	92.3	100.0	
0	27.3	38.0	49.5	57.8	62.5	70.9	76.8	77.8	82.3	86.0	88.0	89.3	91.7	92.3	100.0	

TOTAL NUMBER OF OBSERVATIONS

895

USAFETAC

FORM 54

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34068

SA-DEBEN GERMANY/COLEMAN AAF

59-70

NDV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64
NO CEILING	5.9	6.7	8.2	10.3	11.1	12.5	14.1	14.6	15.7	16.6	16.7	16.9	17.1	17.1	19.1	
≥ 20000	7.3	8.2	9.9	12.4	13.3	15.7	17.7	18.5	20.2	21.2	21.4	21.7	22.1	22.1	23.4	
IV 18000	7.3	8.2	9.9	12.4	13.3	15.7	17.7	18.5	20.2	21.2	21.4	21.7	22.1	22.1	23.4	
IV 16000	7.3	8.2	9.9	12.4	13.3	15.7	17.7	18.5	20.2	21.2	21.4	21.7	22.1	22.1	23.4	
IV 14000	7.3	8.2	9.9	12.4	13.3	15.7	17.7	18.5	20.2	21.2	21.4	21.7	22.3	22.3	23.6	
IV 12000	7.6	8.5	10.3	12.7	13.7	16.3	18.5	19.2	20.9	22.1	22.4	22.7	23.2	23.2	24.5	
IV 10000	8.5	9.5	11.5	13.9	15.0	17.6	19.9	20.6	22.5	23.6	24.0	24.3	24.8	24.8	26.4	
IV 9000	9.7	10.8	13.0	15.6	16.8	19.6	21.8	22.6	24.4	25.5	25.9	26.3	26.8	26.8	28.3	
IV 8000	11.2	12.4	14.8	17.9	19.2	22.4	24.8	25.5	27.5	28.7	29.1	29.4	29.9	29.9	31.6	
IV 7000	12.3	13.7	16.2	19.9	21.3	24.8	27.4	28.3	30.6	31.8	32.3	32.6	33.1	33.1	34.7	
IV 6000	13.3	15.0	18.1	22.1	24.0	28.0	31.1	32.1	34.7	36.6	37.1	37.4	37.9	37.9	39.6	
IV 5000	14.6	16.2	19.5	23.9	25.8	30.1	33.2	34.4	37.1	39.3	39.9	40.4	40.9	40.9	42.6	
IV 4500	15.3	18.6	21.9	26.5	28.5	33.0	36.3	37.6	40.7	43.0	43.6	44.1	44.6	44.6	46.3	
IV 4000	17.0	19.5	23.6	28.8	31.2	36.2	39.7	41.0	44.5	47.3	48.0	48.5	49.0	49.0	50.7	
IV 3500	18.6	21.3	25.9	31.5	33.9	39.2	43.2	44.5	48.1	51.0	51.8	52.3	53.0	53.0	54.7	
IV 3000	22.2	26.1	31.6	38.1	40.7	46.3	50.7	52.4	56.1	59.1	59.9	60.5	61.3	61.3	63.3	
IV 2500	24.1	28.6	35.8	43.3	46.3	52.8	57.6	59.5	63.7	66.7	67.6	68.3	69.1	69.1	71.1	
IV 2000	25.3	30.5	38.3	46.5	49.5	56.9	62.5	64.3	68.9	72.1	73.0	73.7	74.6	74.6	76.5	
IV 1800	26.1	31.3	39.1	47.3	50.6	58.3	63.8	65.6	70.3	73.4	74.4	75.1	75.9	75.9	77.8	
IV 1500	26.5	32.0	40.1	48.9	52.5	61.0	67.0	68.8	73.5	77.0	78.2	78.9	79.7	79.7	81.5	
IV 1200	27.0	32.5	40.8	50.1	53.8	62.7	69.3	71.2	76.3	80.1	81.3	82.1	82.9	82.9	84.9	
IV 1000	27.0	32.5	41.0	50.9	54.7	63.6	70.4	72.2	77.7	81.9	83.2	84.0	85.2	85.2	87.4	
IV 900	27.1	32.7	41.3	51.2	55.0	64.0	70.9	72.9	78.8	83.4	84.7	85.6	86.9	86.9	89.0	
IV 800	27.1	32.7	41.4	51.3	55.2	64.4	71.5	73.5	79.6	84.4	85.7	86.7	87.9	87.9	90.1	
IV 700	27.1	32.7	41.5	51.4	55.3	64.5	71.6	73.6	79.7	84.9	86.3	87.3	88.5	88.5	90.7	
IV 600	27.1	32.7	41.5	51.4	55.3	64.5	71.7	73.7	79.8	85.2	86.5	87.5	88.7	88.7	91.4	
IV 500	27.1	32.7	41.5	51.4	55.3	64.5	71.7	73.7	79.9	85.5	87.5	88.8	90.2	90.2	92.4	
IV 400	27.1	32.7	41.5	51.4	55.3	64.5	71.7	73.9	80.1	85.9	88.2	89.5	91.2	91.2	93.8	
IV 300	27.1	32.7	41.5	51.4	55.3	64.5	71.7	73.9	80.1	85.9	88.2	89.5	91.6	91.6	95.4	
IV 200	27.1	32.7	41.5	51.4	55.3	64.5	71.7	73.9	80.1	85.9	88.2	89.7	91.9	92.1	97.1	
IV 100	27.1	32.7	41.5	51.4	55.3	64.5	71.7	73.9	80.1	85.9	88.2	89.7	92.1	92.4	99.0	
IV 0	27.1	32.7	41.5	51.4	55.3	64.5	71.7	73.9	80.1	85.9	88.2	89.7	92.1	92.4	100.0	

TOTAL NUMBER OF OBSERVATIONS 975

USAFETAC

FORM
JUL 64

0-14.5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

34068

SA D-WFEN GERMANY/COLEMAN AAF

59-70

ETV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY: STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01
NO CEILING		8.0	9.0	10.5	12.3	13.1	14.1	14.4	14.7	15.7	16.4	16.4	17.1	17.4	17.5
≥ 20000	10.4	12.2	13.0	17.6	18.5	20.1	20.7	21.2	22.7	23.5	23.7	24.6	25.0	25.1	25.6
≥ 18000	10.4	12.2	13.0	17.6	18.5	20.1	20.7	21.2	22.7	23.5	23.7	24.6	25.0	25.1	25.6
≥ 16000	10.4	12.2	13.0	17.6	18.5	20.1	20.7	21.2	22.7	23.5	23.7	24.6	25.0	25.1	25.6
≥ 14000	10.5	12.3	13.1	17.8	18.8	20.5	21.0	21.5	23.0	23.8	24.0	24.9	25.3	25.4	25.9
≥ 12000	10.8	12.6	13.4	18.3	19.2	20.9	21.4	21.9	23.5	24.3	24.6	25.4	25.8	25.9	26.4
≥ 10000	11.2	13.2	16.1	18.9	19.9	21.8	22.7	23.3	25.1	26.0	26.4	27.3	27.8	27.9	28.4
≥ 8000	12.6	14.7	17.6	20.7	21.8	23.7	24.6	25.2	27.0	27.9	28.3	29.2	29.7	29.8	30.3
≥ 6000	14.2	16.3	19.8	23.9	25.2	27.3	28.1	28.8	30.5	31.5	31.9	32.7	33.3	33.4	33.9
≥ 5000	15.3	17.7	21.6	26.1	27.5	29.7	30.6	31.3	33.2	34.2	34.6	35.5	36.0	36.1	36.6
≥ 4500	16.2	19.0	23.3	28.3	29.9	32.4	33.5	34.1	36.1	37.1	37.6	38.4	38.9	39.0	39.6
≥ 4000	18.3	21.3	26.3	32.0	34.1	36.6	37.8	38.3	40.9	42.2	42.6	43.4	44.0	44.1	44.6
≥ 3500	19.9	23.6	29.9	35.9	38.0	40.7	42.1	42.8	45.3	46.6	47.0	47.8	48.4	48.5	49.0
≥ 3000	21.1	25.3	32.5	39.1	41.1	44.0	45.3	46.3	48.9	50.3	50.7	51.5	52.0	52.2	52.7
≥ 2500	24.6	29.4	37.4	44.0	46.1	49.2	51.0	51.9	54.7	56.0	56.5	57.3	57.8	57.9	58.4
≥ 2000	27.6	32.9	42.1	48.8	51.0	54.4	56.6	57.6	60.7	62.1	62.6	63.5	64.0	64.1	64.7
≥ 1800	31.8	38.1	49.1	56.7	59.2	63.5	66.0	67.2	70.3	72.0	72.5	73.3	73.9	74.0	74.6
≥ 1600	33.2	39.9	51.4	59.5	62.3	67.2	70.0	71.1	74.4	76.1	76.6	77.6	78.0	78.1	78.7
≥ 1400	33.4	40.2	52.4	60.7	63.7	68.7	71.5	72.6	75.9	77.8	78.3	79.1	79.6	79.7	80.4
≥ 1200	34.2	41.1	53.9	63.2	66.3	71.7	74.4	75.7	79.0	80.9	81.5	82.4	83.0	83.1	83.7
≥ 1000	34.9	42.0	55.2	64.6	68.2	73.8	76.6	77.9	81.3	83.5	84.3	85.2	85.8	85.9	86.6
≥ 900	35.0	42.1	55.4	65.3	69.2	75.0	78.0	79.3	82.9	85.4	86.1	87.1	87.9	88.0	88.7
≥ 800	35.2	42.2	55.5	65.4	69.3	75.2	78.2	79.6	83.2	86.0	86.8	87.8	88.7	88.8	89.4
≥ 700	35.4	42.4	55.7	65.6	69.6	75.8	78.8	80.7	84.4	87.6	88.4	89.5	90.6	90.7	91.3
≥ 600	35.4	42.4	55.7	65.6	69.6	75.8	79.2	81.3	85.2	88.7	89.5	90.9	92.5	92.7	93.3
≥ 500	35.4	42.4	55.7	65.6	69.6	75.8	79.5	81.6	85.7	89.5	90.3	92.2	94.3	94.4	95.2
≥ 400	35.4	42.4	55.7	65.6	69.6	75.8	79.5	81.6	85.7	89.6	90.6	92.5	94.8	94.9	96.2
≥ 300	35.4	42.4	55.7	65.6	69.6	75.8	79.5	81.6	85.7	89.8	90.8	92.9	95.5	95.3	97.1
≥ 200	35.4	42.4	55.7	65.6	69.6	75.8	79.5	81.6	85.7	89.8	90.8	92.9	95.5	96.0	99.3
≥ 100	35.4	42.4	55.7	65.6	69.6	75.8	79.5	81.6	85.7	89.8	90.8	92.9	95.5	96.0	99.9
≥ 0	35.4	42.4	55.7	65.6	69.6	75.8	79.5	81.6	85.7	89.8	90.8	92.9	95.5	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS 953

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34068

SAND LUFEN GERMANY/COLEMAN AAF

59-72

ADP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0
NO CEILING		9.1	10.2	12.1	13.3	13.4	14.4	15.0	15.2	15.0	16.0	16.3	16.5	16.9	16.9	17.2
≥ 20000		11.3	13.3	15.6	18.4	18.9	20.8	21.6	22.1	23.4	23.9	24.3	24.5	25.0	25.0	25.4
≥ 18000		11.3	13.3	15.6	18.4	18.9	20.8	21.6	22.1	23.4	23.9	24.3	24.5	25.0	25.0	25.4
≥ 16000		11.3	13.3	15.6	18.4	18.9	20.8	21.6	22.1	23.4	23.9	24.3	24.5	25.0	25.0	25.4
≥ 14000		11.3	13.4	16.0	18.7	19.2	21.2	22.1	22.5	23.9	24.5	24.9	25.1	25.7	25.7	26.0
≥ 12000		12.0	14.5	17.0	19.9	20.4	22.4	23.3	23.7	25.1	25.7	26.1	26.3	27.1	27.1	27.4
≥ 10000		12.8	15.3	17.9	21.0	21.5	23.6	24.6	25.0	26.6	27.1	27.5	27.8	28.5	28.5	28.9
≥ 9000		13.7	16.4	20.0	23.5	24.3	26.6	27.5	28.0	29.6	30.2	30.7	30.9	31.7	31.7	32.0
≥ 8000		15.5	18.7	22.6	26.0	27.3	29.7	30.8	31.3	32.9	33.6	34.1	34.3	35.1	35.1	35.4
≥ 7000		16.5	20.0	24.3	28.6	29.4	31.9	33.1	33.6	35.4	36.1	36.6	37.3	38.1	38.1	38.5
≥ 6000		17.6	21.3	25.6	30.5	31.6	34.3	35.6	36.1	37.9	38.6	39.1	39.9	41.1	41.1	41.4
≥ 5000		20.4	24.6	29.6	35.2	36.6	39.5	41.1	41.9	43.9	45.0	45.5	46.3	47.5	47.5	47.9
≥ 4500		22.7	27.1	33.3	39.1	40.5	43.6	45.4	46.1	48.2	49.3	49.8	50.6	51.8	51.8	52.1
≥ 4000		25.2	30.2	36.7	42.7	44.3	47.4	49.5	50.3	52.3	53.4	54.0	54.8	56.0	56.0	56.3
≥ 3500		28.4	33.6	40.5	47.1	49.0	52.3	54.5	55.4	57.5	58.6	59.1	59.9	61.3	61.3	61.6
≥ 3000		31.5	37.5	44.8	52.3	54.9	58.5	60.7	61.5	63.6	64.7	65.2	66.0	67.4	67.4	67.8
≥ 2500		33.4	40.5	49.5	58.3	61.1	65.6	68.3	69.2	71.4	72.5	73.0	73.8	75.2	75.2	75.5
≥ 2000		35.4	42.8	52.6	61.5	64.6	69.6	72.6	73.6	75.6	76.8	77.7	78.5	79.9	79.9	80.2
≥ 1800		35.6	43.2	53.1	62.3	65.4	70.4	73.6	74.4	76.7	77.9	78.8	79.6	81.0	81.0	81.3
≥ 1500		35.8	43.8	54.4	64.5	68.2	73.9	77.2	78.3	80.5	81.7	82.7	83.5	85.0	85.0	85.4
≥ 1200		36.4	44.5	55.4	66.2	70.2	76.3	79.7	80.8	83.2	84.5	85.5	86.3	88.1	88.1	88.4
≥ 1000		36.4	44.6	55.6	66.8	71.0	77.6	81.0	82.3	85.0	86.3	87.5	88.4	90.5	90.5	90.6
≥ 900		36.4	44.6	55.6	66.8	71.3	77.8	81.2	82.5	85.4	86.8	88.0	89.0	91.0	91.0	91.4
≥ 800		36.4	44.6	55.6	66.9	71.4	78.0	81.5	83.0	85.8	87.5	88.7	89.8	92.1	92.1	92.5
≥ 700		36.4	44.6	55.6	66.9	71.4	78.0	81.7	83.2	86.2	88.3	89.5	90.6	92.9	92.9	93.2
≥ 600		36.4	44.6	55.6	66.9	71.4	78.0	81.9	83.3	86.4	88.5	89.9	91.0	93.3	93.3	93.7
≥ 500		36.4	44.6	55.6	66.9	71.4	78.0	82.0	83.6	86.9	89.0	91.1	92.3	94.9	94.9	95.3
≥ 400		36.4	44.6	55.6	66.9	71.4	78.0	82.0	83.6	86.9	89.1	91.3	92.6	95.5	95.5	96.6
≥ 300		36.4	44.6	55.6	66.9	71.4	78.0	82.0	83.6	86.9	89.2	91.4	93.0	96.2	96.2	97.5
≥ 200		36.4	44.6	55.6	66.9	71.4	78.0	82.0	83.6	86.9	89.2	91.5	93.2	96.6	96.6	98.8
≥ 100		36.4	44.6	55.6	66.9	71.4	78.0	82.0	83.6	86.9	89.2	91.5	93.2	96.6	96.6	99.7
≥ 0		36.4	44.6	55.6	66.9	71.4	78.0	82.0	83.6	86.9	89.2	91.5	93.2	96.6	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 915

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/ETAC

CEILING VERSUS VISIBILITY

34068

SANDLERS GERMANY/CLEMAN AAF

60-70

ATV

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0
NO OBSERVATIONS	13.2	10.0	19.1	20.7	21.5	22.9	23.4	23.7	24.7	25.0	25.1	25.1	25.4	25.4	25.6	25.6
1000	14.9	17.6	21.0	23.8	24.7	26.6	27.2	27.5	28.7	29.3	29.4	29.4	29.9	29.9	29.9	30.3
900	14.9	17.6	21.0	23.8	24.7	26.6	27.2	27.5	28.7	29.3	29.4	29.4	29.9	29.9	29.9	30.3
800	14.9	17.6	21.0	23.8	24.7	26.6	27.2	27.5	28.7	29.3	29.4	29.4	29.9	29.9	29.9	30.3
700	14.9	17.6	21.0	23.8	24.7	26.6	27.2	27.5	28.7	29.3	29.4	29.4	29.9	29.9	29.9	30.3
600	15.0	17.8	21.2	24.1	25.0	26.9	27.5	27.8	29.0	29.6	29.7	29.7	30.1	30.1	30.6	30.6
500	15.3	19.0	22.4	25.6	26.6	28.8	29.6	29.9	31.0	31.6	31.6	31.8	32.2	32.2	32.6	32.6
400	16.6	20.3	23.8	27.1	28.1	30.4	31.3	31.6	32.8	33.4	33.5	33.5	34.0	34.0	34.4	34.4
300	18.7	22.5	26.2	29.9	30.9	33.4	34.3	34.6	35.7	36.3	36.5	36.5	36.9	36.9	37.4	37.4
200	19.4	23.5	27.8	31.6	32.6	35.4	36.3	36.6	37.8	38.5	38.7	38.7	39.1	39.1	39.6	39.6
100	22.1	26.3	30.9	35.1	36.3	39.6	40.4	40.7	41.9	42.6	42.9	42.9	43.5	43.5	44.0	44.0
0	25.4	30.4	35.4	40.1	41.6	44.9	46.2	46.5	47.6	48.4	48.5	48.8	49.6	49.6	50.0	50.0
1000	26.8	31.9	37.9	42.6	44.1	47.4	48.7	49.0	50.1	50.9	51.3	51.3	52.1	52.1	52.5	52.5
900	27.1	36.0	42.2	47.1	48.5	52.2	53.5	53.8	55.0	55.7	56.2	56.2	56.9	56.9	57.4	57.4
800	31.6	37.8	44.9	49.9	51.8	55.6	56.9	57.2	58.4	59.1	59.7	59.9	60.6	60.6	61.0	61.0
700	35.2	42.6	50.6	57.1	59.3	63.1	64.7	65.0	66.2	66.9	67.5	67.6	68.4	68.4	68.8	68.8
600	38.1	45.3	54.9	62.1	65.1	69.4	71.3	71.6	72.9	73.7	74.3	74.4	75.1	75.1	75.6	75.6
500	39.5	47.8	58.4	66.2	69.3	74.7	76.6	76.9	78.2	79.1	79.7	79.9	80.6	80.6	81.0	81.0
400	40.0	48.4	59.0	66.9	70.1	75.7	77.8	78.1	79.4	80.3	80.9	81.0	81.8	81.8	82.2	82.2
300	42.0	48.8	59.9	67.9	71.5	77.6	79.9	80.3	81.8	82.6	83.4	83.5	84.3	84.3	84.7	84.7
200	43.5	49.6	61.3	70.3	74.0	80.4	82.6	83.1	84.6	85.4	86.2	86.3	87.1	87.1	87.5	87.5
100	44.6	49.6	61.3	70.4	74.1	81.3	83.7	84.1	85.9	86.8	87.5	87.6	88.4	88.4	88.8	88.8
0	47.6	49.7	61.5	70.7	74.4	81.9	84.4	85.0	87.1	87.9	88.7	88.8	89.7	89.7	90.1	90.1
1000	47.6	49.7	61.5	70.9	74.6	82.1	84.7	85.4	87.9	89.3	90.0	90.1	91.5	91.5	91.9	91.9
900	47.6	49.7	61.5	70.9	74.6	82.1	84.7	85.6	88.4	90.0	90.7	90.9	92.2	92.2	92.6	92.6
800	47.6	49.7	61.5	70.9	74.6	82.1	84.7	85.6	88.8	90.6	91.3	91.6	92.9	92.9	93.4	93.4
700	47.6	49.7	61.5	70.9	74.6	82.1	84.9	85.7	89.0	90.7	91.5	91.8	93.1	93.1	93.5	93.5
600	47.6	49.7	61.5	70.9	74.6	82.1	84.9	85.7	89.0	90.7	91.5	91.8	93.1	93.1	93.5	93.5
500	47.6	49.7	61.5	70.9	74.6	82.1	84.9	85.7	89.0	90.7	91.5	91.8	93.1	93.1	93.5	93.5
400	47.6	49.7	61.5	70.9	74.6	82.1	84.9	85.7	89.0	90.7	91.5	91.8	93.1	93.1	93.5	93.5
300	47.6	49.7	61.5	70.9	74.6	82.1	84.9	85.7	89.0	90.7	91.5	91.8	93.1	93.1	93.5	93.5
200	47.6	49.7	61.5	70.9	74.6	82.1	84.9	85.7	89.0	90.7	91.5	91.8	93.1	93.1	93.5	93.5
100	47.6	49.7	61.5	70.9	74.6	82.1	84.9	85.7	89.0	90.7	91.5	91.8	93.1	93.1	93.5	93.5
0	47.6	49.7	61.5	70.9	74.6	82.1	84.9	85.7	89.0	90.7	91.5	91.8	93.1	93.1	93.5	93.5

TOTAL NUMBER OF OBSERVATIONS

500

USAFETAC

FORM 54

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

6C

15

2100-2300

[illegible]

TOTAL NUMBER OF OBSERVATIONS

7

CEILING VERSUS VISIBILITY

430

2320-0520

TOTAL NUMBER OF OBSERVATIONS 63

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/PAO

CEILING VERSUS VISIBILITY

3406R

SATLUFER GERMANY/CULEMAN AFB

59-70

REC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3600-0800

CEILING FEET	VISIBILITY (STATUTE MILES)															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
NO CEILING	5.5	6.0	11.2	13.1	13.4	15.5	15.9	16.3	16.8	17.1	17.3	17.9	17.9	17.9	18.3	
10000	5.6	6.4	12.3	14.2	14.5	16.9	17.4	17.8	18.5	18.8	18.9	19.6	19.7	19.7	20.2	
12000	5.8	6.4	12.3	14.2	14.5	16.9	17.4	17.8	18.5	18.8	18.9	19.6	19.7	19.7	20.2	
14000	5.8	6.4	12.3	14.2	14.5	16.9	17.4	17.8	18.5	18.8	18.9	19.6	19.7	19.7	20.2	
16000	6.2	9.2	13.1	14.9	15.3	17.7	18.1	19.6	19.2	19.6	19.7	20.4	20.5	20.5	21.1	
18000	6.6	9.7	13.7	15.7	16.0	18.5	18.9	19.4	20.0	20.4	20.5	21.1	21.2	21.2	21.8	
20000	7.2	13.5	14.8	16.9	17.3	19.7	20.1	20.6	21.2	21.6	21.7	22.3	22.5	22.5	23.1	
22000	7.4	13.8	15.5	18.0	18.4	20.9	21.6	22.0	22.7	23.0	23.1	23.6	23.9	23.9	24.4	
24000	7.6	11.2	16.0	18.8	19.1	21.7	22.3	22.8	23.5	23.8	23.9	24.6	24.7	24.7	25.2	
26000	9.1	13.3	18.6	21.9	22.2	25.1	25.8	26.2	26.9	27.2	27.3	28.0	28.1	28.1	28.7	
28000	12.5	18.0	23.8	27.7	28.1	31.2	31.9	32.3	33.0	33.3	33.4	34.1	34.2	34.2	34.7	
30000	13.8	19.7	25.8	29.0	30.2	33.6	34.3	34.7	35.4	35.7	35.8	36.5	36.6	36.6	37.2	
32000	15.5	22.2	29.3	33.8	34.4	37.8	38.6	39.0	39.7	40.2	40.3	40.9	41.0	41.0	41.5	
34000	17.1	24.2	32.1	37.4	38.1	41.8	42.7	43.1	43.8	44.2	44.4	45.0	45.1	45.1	45.7	
36000	19.1	27.1	36.3	42.5	43.3	47.7	49.1	49.7	50.4	50.9	51.0	51.7	51.8	51.8	52.3	
38000	23.0	33.0	45.1	52.5	53.7	59.0	60.7	61.3	62.7	63.3	63.6	64.3	64.4	64.4	64.9	
40000	26.0	37.1	50.8	60.0	61.6	67.4	69.6	70.5	72.2	72.9	73.3	74.0	74.1	74.1	74.7	
42000	26.7	37.8	52.0	61.4	63.1	69.0	71.3	72.2	74.0	74.7	75.1	75.8	75.9	75.9	76.4	
44000	27.2	38.7	53.8	63.0	65.3	71.7	74.2	75.2	77.5	78.3	78.8	79.4	79.5	79.5	80.1	
46000	28.1	40.5	56.2	66.4	68.4	75.0	77.5	78.5	81.2	82.2	83.1	83.7	83.8	83.8	84.4	
48000	28.2	41.0	57.1	67.8	70.0	77.7	80.5	81.9	85.0	86.2	87.2	88.1	88.3	88.3	88.8	
50000	28.3	41.3	57.4	68.4	70.6	78.3	81.2	82.5	85.6	86.8	87.8	88.7	88.9	88.9	89.4	
52000	28.3	41.5	58.0	69.1	71.5	79.3	82.3	83.6	86.9	88.5	89.6	90.5	90.7	90.7	91.3	
54000	28.7	41.8	58.4	69.9	72.2	80.3	83.4	84.7	88.1	89.7	90.8	91.7	91.9	91.9	92.5	
56000	28.7	41.8	58.4	69.9	72.2	80.3	83.4	84.7	88.1	89.7	90.8	91.7	91.9	91.9	92.5	
58000	28.7	41.8	58.4	69.9	72.2	80.3	83.4	84.7	88.1	89.7	90.8	91.7	91.9	91.9	92.5	
60000	28.7	41.8	58.4	69.9	72.2	80.3	83.4	84.7	88.1	89.7	90.8	91.7	91.9	91.9	92.5	
62000	28.7	41.8	58.4	69.9	72.2	80.3	83.4	84.7	88.1	89.7	90.8	91.7	91.9	91.9	92.5	
64000	28.7	41.8	58.4	69.9	72.2	80.3	83.4	84.7	88.1	89.7	90.8	91.7	91.9	91.9	92.5	
66000	28.7	41.8	58.4	69.9	72.2	80.3	83.4	84.7	88.1	89.7	90.8	91.7	91.9	91.9	92.5	
68000	28.7	41.8	58.4	69.9	72.2	80.3	83.4	84.7	88.1	89.7	90.8	91.7	91.9	91.9	92.5	
70000	28.7	41.8	58.4	69.9	72.2	80.3	83.4	84.7	88.1	89.7	90.8	91.7	91.9	91.9	92.5	
72000	28.7	41.8	58.4	69.9	72.2	80.3	83.4	84.7	88.1	89.7	90.8	91.7	91.9	91.9	92.5	
74000	28.7	41.8	58.4	69.9	72.2	80.3	83.4	84.7	88.1	89.7	90.8	91.7	91.9	91.9	92.5	
76000	28.7	41.8	58.4	69.9	72.2	80.3	83.4	84.7	88.1	89.7	90.8	91.7	91.9	91.9	92.5	
78000	28.7	41.8	58.4	69.9	72.2	80.3	83.4	84.7	88.1	89.7	90.8	91.7	91.9	91.9	92.5	
80000	28.7	41.8	58.4	69.9	72.2	80.3	83.4	84.7	88.1	89.7	90.8	91.7	91.9	91.9	92.5	
82000	28.7	41.8	58.4	69.9	72.2	80.3	83.4	84.7	88.1	89.7	90.8	91.7	91.9	91.9	92.5	
84000	28.7	41.8	58.4	69.9	72.2	80.3	83.4	84.7	88.1	89.7	90.8	91.7	91.9	91.9	92.5	
86000	28.7	41.8	58.4	69.9	72.2	80.3	83.4	84.7	88.1	89.7	90.8	91.7	91.9	91.9	92.5	
88000	28.7	41.8	58.4	69.9	72.2	80.3	83.4	84.7	88.1	89.7	90.8	91.7	91.9	91.9	92.5	
90000	28.7	41.8	58.4	69.9	72.2	80.3	83.4	84.7	88.1	89.7	90.8	91.7	91.9	91.9	92.5	
92000	28.7	41.8	58.4	69.9	72.2	80.3	83.4	84.7	88.1	89.7	90.8	91.7	91.9	91.9	92.5	
94000	28.7	41.8	58.4	69.9	72.2	80.3	83.4	84.7	88.1	89.7	90.8	91.7	91.9	91.9	92.5	
96000	28.7	41.8	58.4	69.9	72.2	80.3	83.4	84.7	88.1	89.7	90.8	91.7	91.9	91.9	92.5	
98000	28.7	41.8	58.4	69.9	72.2	80.3	83.4	84.7	88.1	89.7	90.8	91.7	91.9	91.9	92.5	
100000	28.7	41.8	58.4	69.9	72.2	80.3	83.4	84.7	88.1	89.7	90.8	91.7	91.9	91.9	92.5	

TOTAL NUMBER OF OBSERVATIONS

904

USAFETAC

FORM
10-74

0-14.5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

34068

SANDHOFEN GERMANY/CULLEMAN AAF

59-70

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥.01
NO CEILING		3.9	6.1	9.0	10.8	11.8	13.5	15.2	15.8	16.0	16.7	16.9	17.1	17.7	17.7	18.1
IV 20000		4.8	7.3	10.6	12.8	13.8	15.9	17.9	18.6	18.9	19.6	19.9	20.1	20.9	20.9	21.8
IV 18000		4.8	7.3	10.6	12.8	13.8	15.9	17.9	18.6	18.9	19.6	19.9	20.1	20.9	20.9	21.8
IV 16000		4.8	7.3	10.7	13.0	14.0	16.1	18.1	18.9	19.1	19.8	20.1	20.3	21.1	21.1	22.0
IV 14000		4.9	7.4	11.0	13.3	14.4	16.0	18.6	19.4	19.6	20.3	20.6	20.8	21.6	21.6	22.5
IV 12000		5.1	7.6	11.2	13.5	14.6	16.0	18.9	19.6	19.8	20.5	20.8	21.0	21.8	21.8	22.7
IV 10000		5.9	8.4	12.2	15.1	16.2	18.5	20.6	21.3	21.6	22.3	22.6	22.8	23.6	23.6	24.5
IV 9000		6.3	8.7	12.6	15.7	16.8	19.3	21.3	22.0	22.3	23.0	23.5	23.7	24.5	24.5	25.4
IV 8000		6.3	8.8	13.0	16.7	17.8	20.6	23.0	23.8	24.2	24.9	25.4	25.6	26.4	26.4	27.4
IV 7000		7.4	10.1	14.8	19.2	20.6	23.7	26.4	27.3	27.7	28.4	28.9	29.2	30.0	30.0	31.0
IV 6000		9.0	12.0	16.7	21.5	22.9	26.1	28.9	29.8	30.2	31.1	31.7	32.0	32.8	32.8	33.3
IV 5000		10.7	14.5	19.8	25.0	26.5	30.2	33.1	34.1	34.9	35.8	36.3	36.6	37.4	37.4	38.4
IV 4500		11.5	15.6	21.3	26.6	28.2	32.3	35.2	36.2	37.0	38.1	38.6	39.1	39.9	39.9	40.9
IV 4000		12.9	17.2	23.6	29.6	31.3	35.6	38.8	39.9	41.0	42.2	42.7	43.2	44.1	44.1	45.1
IV 3500		14.1	18.6	25.7	32.2	33.8	38.2	41.5	42.6	44.0	45.4	45.9	46.4	47.2	47.2	48.2
IV 3000		15.7	21.0	29.4	36.2	37.9	42.0	46.6	47.7	49.3	50.7	51.2	51.7	52.5	52.5	53.5
IV 2500		19.1	24.6	34.7	42.0	43.9	50.5	54.7	56.0	58.5	60.2	61.0	61.7	62.6	62.6	63.6
IV 2000		19.2	26.2	38.1	46.1	48.4	55.6	60.8	62.9	66.2	68.3	69.2	70.0	70.9	70.9	71.9
IV 1800		19.8	26.9	38.9	47.4	50.0	57.4	62.6	64.7	68.2	70.4	71.2	72.0	72.9	72.9	73.9
IV 1500		20.6	28.1	41.4	50.7	53.5	61.6	67.2	69.6	73.5	75.9	76.7	77.7	78.6	78.6	79.6
IV 1200		20.8	28.4	42.3	52.5	55.5	64.3	70.5	73.0	77.3	80.0	81.3	82.4	83.3	83.3	84.3
IV 1000		21.0	28.9	43.1	53.6	57.2	66.3	73.2	76.6	81.5	84.3	85.8	87.3	88.3	88.3	89.3
IV 900		21.2	29.4	43.8	54.3	57.9	67.2	74.4	77.8	82.7	85.5	87.0	88.5	89.5	89.5	90.5
IV 800		21.2	29.5	43.9	54.7	58.3	67.7	75.4	78.8	83.8	86.7	88.3	90.1	91.1	91.1	92.1
IV 700		21.3	29.6	44.2	55.0	58.8	68.2	75.9	79.6	84.6	87.5	89.1	90.9	91.9	91.9	92.9
IV 600		21.3	29.6	44.2	55.1	58.9	68.5	76.4	80.1	85.2	88.1	89.7	91.5	92.6	92.6	93.6
IV 500		21.3	29.6	44.2	55.2	59.0	68.6	76.6	80.3	85.4	88.4	90.2	92.1	93.2	93.2	94.3
IV 400		21.3	29.6	44.2	55.2	59.0	68.6	76.6	80.3	85.4	88.4	90.3	92.2	93.9	93.9	95.1
IV 300		21.3	29.6	44.2	55.2	59.0	68.6	76.6	80.3	85.4	88.4	90.3	92.4	94.7	94.8	96.1
IV 200		21.3	29.6	44.2	55.2	59.0	68.6	76.6	80.3	85.4	88.4	90.3	92.4	95.0	95.1	97.2
IV 100		21.3	29.6	44.2	55.2	59.0	68.6	76.6	80.3	85.4	88.4	90.3	92.4	95.3	95.4	98.2
IV 0		21.3	29.6	44.2	55.2	59.0	68.6	76.6	80.3	85.4	88.4	90.3	92.4	95.3	95.4	100.0

TOTAL NUMBER OF OBSERVATIONS 992

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34068

SANDHOEFEN GERMANY/COLEMAN AAF

59-70

REC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .01
NO CEILING		7.3	9.3	13.1	15.4	16.1	17.6	18.5	18.8	19.1	19.4	19.6	19.6	20.0	20.1	20.3
≥ 20000		8.7	11.2	15.9	18.4	19.4	21.3	22.2	22.4	22.8	23.1	23.3	23.5	24.1	24.2	24.6
≥ 18000		8.7	11.2	15.9	18.4	19.4	21.3	22.2	22.4	22.8	23.1	23.3	23.5	24.1	24.2	24.6
≥ 16000		8.7	11.2	15.9	18.4	19.4	21.3	22.2	22.4	22.8	23.1	23.3	23.5	24.1	24.2	24.6
≥ 14000		8.7	11.2	16.1	18.7	19.6	21.6	22.6	22.8	23.1	23.4	23.6	23.8	24.4	24.6	24.9
≥ 12000		9.1	11.6	16.6	19.3	20.2	22.2	23.2	23.4	23.7	24.0	24.2	24.4	25.1	25.2	25.5
≥ 10000		9.6	12.1	17.4	20.5	21.6	23.7	24.7	25.0	25.3	25.6	25.8	26.0	26.5	26.9	27.2
≥ 9000		9.8	12.3	17.6	20.9	22.0	24.2	25.2	25.5	25.8	26.1	26.3	26.6	27.3	27.4	27.7
≥ 8000		10.1	12.8	18.1	22.0	23.3	25.6	26.5	27.3	27.7	28.0	28.2	28.5	29.2	29.3	29.6
≥ 7000		11.2	14.1	20.1	24.8	26.1	29.3	30.6	31.2	31.8	32.1	32.3	32.6	33.3	33.4	33.8
≥ 6000		12.0	15.4	21.8	26.7	28.3	31.5	32.8	33.7	34.3	34.8	35.0	35.3	36.0	36.1	36.6
≥ 5000		14.1	18.2	25.2	30.0	31.7	35.1	36.5	37.4	38.4	38.7	38.9	39.2	39.9	40.0	40.5
≥ 4500		15.2	19.6	26.8	32.1	34.0	37.5	39.4	40.4	41.4	41.7	41.9	42.3	43.0	43.1	43.5
≥ 4000		17.4	22.4	30.7	36.7	38.6	42.4	44.3	45.7	46.9	47.2	47.4	47.7	48.6	48.7	49.1
≥ 3500		18.3	23.5	32.7	39.0	40.9	45.2	47.3	48.6	50.1	50.6	50.8	51.1	51.9	52.1	52.5
≥ 3000		20.8	26.3	35.8	43.4	45.3	50.1	52.7	54.1	55.3	56.1	56.3	56.6	57.5	57.6	58.1
≥ 2500		22.3	28.8	40.4	48.8	51.1	57.2	60.1	61.5	63.4	64.3	64.6	65.3	66.3	66.4	66.8
≥ 2000		24.4	31.6	44.2	53.4	55.8	63.0	66.6	68.6	71.1	72.5	73.0	73.9	75.0	75.1	75.6
≥ 1800		24.9	32.1	45.0	54.5	57.1	64.5	68.3	70.3	73.0	74.4	74.9	75.8	76.9	77.0	77.4
≥ 1600		25.4	33.9	47.6	57.6	60.7	68.4	72.5	74.6	77.7	79.2	79.8	80.6	81.8	81.9	82.4
≥ 1400		25.9	34.6	48.8	59.4	62.5	70.5	74.9	77.6	81.3	83.1	83.9	84.7	86.0	86.1	86.6
≥ 1200		26.4	35.6	50.2	60.8	63.9	72.7	77.4	80.3	84.9	86.8	88.1	89.3	90.6	90.7	91.5
≥ 1000		26.6	35.8	51.0	61.9	64.9	74.0	78.7	81.7	86.4	88.3	89.6	90.8	92.2	92.3	93.0
≥ 900		26.6	35.9	51.3	62.3	65.3	74.4	79.6	82.5	87.4	89.3	90.5	92.0	93.6	93.7	94.4
≥ 800		26.6	35.9	51.4	62.4	65.4	74.5	79.8	82.7	87.8	89.8	91.0	92.7	94.3	94.4	95.2
≥ 700		26.6	35.9	51.4	62.4	65.4	74.6	79.9	82.9	88.1	90.4	91.9	93.6	95.3	95.4	96.1
≥ 600		26.6	35.9	51.4	62.4	65.4	74.7	80.0	83.0	88.2	90.6	92.4	94.2	96.0	96.1	96.8
≥ 500		26.6	35.9	51.4	62.4	65.5	74.8	80.1	83.1	88.3	90.7	92.5	94.3	96.3	96.4	97.3
≥ 400		26.6	35.9	51.4	62.4	65.5	74.8	80.1	83.1	88.3	90.7	92.5	94.3	96.3	96.4	97.3
≥ 300		26.6	35.9	51.4	62.4	65.5	74.8	80.1	83.1	88.3	90.7	92.5	94.3	96.3	96.4	97.3
≥ 200		26.6	35.9	51.4	62.4	65.5	74.8	80.1	83.1	88.3	90.7	92.5	94.3	96.3	96.4	97.3
≥ 100		26.6	35.9	51.4	62.4	65.5	74.8	80.1	83.1	88.3	90.7	92.5	94.3	96.3	96.4	97.3
≥ 0		26.6	35.9	51.4	62.4	65.5	74.8	80.1	83.1	88.3	90.7	92.5	94.3	96.3	96.4	97.3

TOTAL NUMBER OF OBSERVATIONS

949

USAFETAC

FORM
JUL 64

0-14.5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

34068

SANDERFEN GERMANY/CELEMAN AAF

59-70

LEC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0
NO CEILING		5.5	7.3	10.0	12.3	12.6	13.8	14.6	14.8	15.3	16.0	16.0	16.2	16.7	16.7	16.9
≥ 20000		7.4	9.5	13.1	16.4	15.8	18.4	19.1	19.4	19.9	20.8	20.8	20.9	21.6	21.6	21.9
≥ 18000		7.4	9.5	13.1	16.4	16.8	18.4	19.1	19.4	19.9	20.8	20.8	20.9	21.6	21.6	21.9
≥ 16000		7.4	9.5	13.1	16.4	16.8	18.4	19.1	19.4	19.9	20.8	20.8	20.9	21.6	21.6	21.9
≥ 14000		7.4	9.5	13.1	16.4	16.8	18.4	19.1	19.4	19.9	20.8	20.8	20.9	21.6	21.6	21.9
≥ 12000		7.5	9.6	13.2	16.7	17.1	18.7	19.5	19.7	20.2	21.1	21.1	21.2	21.9	21.9	22.2
≥ 10000		7.5	9.7	13.3	17.1	17.6	19.2	20.1	20.6	21.1	22.1	22.1	22.2	22.9	22.9	23.7
≥ 9000		8.0	10.2	14.0	17.9	18.4	20.0	20.9	21.3	21.9	23.0	23.0	23.2	24.1	24.1	24.4
≥ 8000		8.5	11.0	15.3	19.5	20.0	21.8	22.9	23.5	24.0	25.1	25.1	25.3	26.2	26.2	26.5
≥ 7000		9.5	12.8	17.5	22.8	23.3	25.8	26.9	27.5	28.1	29.2	29.2	29.4	30.3	30.3	30.6
≥ 6000		11.3	15.0	20.0	25.4	26.2	28.9	30.2	31.3	32.1	33.2	33.2	33.4	34.3	34.3	34.6
≥ 5000		12.3	16.8	22.7	28.4	29.6	32.3	33.7	34.8	35.7	36.9	36.9	37.3	38.2	38.2	38.5
≥ 4500		13.8	19.0	25.3	31.2	32.5	35.8	37.4	38.5	39.5	40.7	40.7	41.0	41.9	41.9	42.3
≥ 4000		16.7	22.9	29.5	35.5	36.9	40.4	42.3	43.5	44.7	45.9	45.9	46.2	47.1	47.1	47.5
≥ 3500		18.9	25.7	32.9	39.6	41.0	44.8	46.7	47.9	49.4	50.8	50.8	51.1	52.0	52.0	52.3
≥ 3000		21.7	29.0	37.4	44.6	46.1	50.0	52.1	53.5	55.1	56.5	56.5	56.9	58.0	58.0	58.3
≥ 2500		23.7	31.7	41.6	50.2	52.1	56.7	59.3	60.8	62.9	64.6	64.6	64.9	66.0	66.0	66.4
≥ 2000		25.9	34.7	45.6	55.3	57.4	62.9	66.6	68.4	70.7	73.0	73.1	73.5	74.7	74.7	75.0
≥ 1800		26.2	35.7	47.0	57.0	59.2	65.0	68.8	70.6	73.0	75.3	75.4	75.8	77.0	77.0	77.3
≥ 1500		27.0	36.9	49.2	59.4	62.3	68.5	72.9	74.7	77.5	79.9	80.1	80.6	82.0	82.0	82.4
≥ 1200		27.7	38.2	51.4	62.2	65.2	71.7	76.8	78.7	82.1	84.6	85.1	85.6	87.1	87.1	87.5
≥ 1000		28.3	38.8	52.7	63.8	66.9	74.0	79.3	81.3	84.8	87.6	88.5	89.9	91.0	91.0	91.5
≥ 900		28.3	38.8	52.8	63.9	67.0	74.2	79.6	81.9	85.4	88.2	89.0	90.2	91.7	91.7	92.1
≥ 800		28.3	38.8	53.0	64.2	67.4	74.8	80.8	83.1	86.6	89.6	90.6	91.9	93.5	93.5	93.9
≥ 700		28.3	38.8	53.0	64.2	67.4	74.8	80.8	83.1	86.8	89.9	91.4	92.7	94.5	94.5	94.9
≥ 600		28.3	38.8	53.0	64.2	67.4	74.8	80.8	83.2	87.3	90.6	92.1	93.7	95.5	95.5	95.9
≥ 500		28.3	38.8	53.0	64.2	67.4	74.8	80.8	83.2	87.4	90.9	92.6	94.1	96.3	96.3	97.0
≥ 400		28.3	38.8	53.0	64.2	67.4	74.8	80.8	83.2	87.4	91.0	92.8	94.4	96.7	96.7	97.3
≥ 300		28.3	38.8	53.0	64.2	67.4	74.8	80.8	83.2	87.4	91.6	93.4	95.2	97.6	97.6	98.3
≥ 200		28.3	38.8	53.0	64.2	67.4	74.8	80.8	83.2	87.4	91.6	93.4	95.5	97.9	97.9	98.9
≥ 100		28.3	38.8	53.0	64.2	67.4	74.8	80.8	83.2	87.4	91.6	93.4	95.5	97.9	97.9	99.6
≥ 0		28.3	38.8	53.0	64.2	67.4	74.8	80.8	83.2	87.4	91.6	93.4	95.5	97.9	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS

904

USAFETAC

FORM
JUL 64

0 14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34008

SA DUEFEN GERMANY/COLEMAN AAF

60-70

JEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ .01
NO CEILING		5.2	7.5	12.4	14.5	14.7	16.8	16.9	17.3	17.5	18.4	18.5	18.6	18.6	18.6	18.9
≥ 20000		5.2	9.4	15.3	17.6	17.9	20.2	20.3	21.0	21.2	22.4	22.5	22.7	22.7	22.7	23.0
≥ 18000		6.2	9.4	15.5	17.8	18.1	20.4	20.7	21.1	21.4	22.5	22.7	22.8	22.8	22.8	23.1
≥ 16000		6.2	9.4	15.5	17.8	18.1	20.4	20.7	21.1	21.4	22.5	22.7	22.8	22.8	22.8	23.1
≥ 14000		6.2	9.4	15.5	17.8	18.1	20.4	20.7	21.1	21.4	22.5	22.7	22.8	22.8	22.8	23.1
≥ 12000		6.5	9.7	15.8	18.1	18.4	20.7	21.0	21.4	21.7	22.8	23.0	23.1	23.1	23.1	23.4
≥ 10000		6.6	9.8	15.9	18.6	18.9	21.2	21.5	22.0	22.3	23.6	23.7	23.8	23.8	23.8	24.1
≥ 8000		7.8	11.1	17.3	20.1	20.4	22.8	23.1	23.6	23.8	25.1	25.3	25.4	25.6	25.6	25.9
≥ 6000		8.7	12.3	18.8	21.5	22.0	24.4	24.7	25.3	25.6	26.9	27.0	27.2	27.3	27.3	27.6
≥ 4000		9.4	13.6	20.7	23.6	24.0	26.9	27.3	28.0	28.3	29.6	29.8	29.9	30.1	30.1	30.3
≥ 3000		10.3	15.2	22.4	26.2	26.9	29.8	30.3	31.1	31.4	32.7	32.8	32.9	33.1	33.1	33.4
≥ 2000		12.3	18.1	25.3	29.2	29.9	32.9	33.5	34.4	34.8	36.1	36.3	36.4	36.6	36.6	36.8
≥ 1500		14.9	20.7	29.0	32.9	33.7	37.0	37.6	38.4	38.9	40.3	40.5	40.6	40.9	40.9	41.3
≥ 1000		16.9	23.6	32.5	36.6	37.3	40.8	41.3	42.2	42.6	44.1	44.4	44.5	44.8	44.8	45.2
≥ 800		18.1	25.3	35.3	40.2	41.0	44.7	45.4	46.2	47.0	48.7	49.0	49.1	49.4	49.4	49.9
≥ 600		19.4	28.6	37.5	43.4	46.7	50.4	51.6	52.3	53.2	54.9	55.2	55.3	55.6	55.6	56.1
≥ 400		20.5	30.3	43.5	50.1	51.9	56.9	58.2	59.1	60.1	62.3	62.6	62.7	63.0	63.0	63.4
≥ 200		22.8	34.4	48.3	55.5	57.5	63.4	65.0	66.0	67.2	69.5	69.8	69.9	70.2	70.2	70.7
≥ 100		23.4	35.8	49.7	57.7	60.0	66.3	68.1	69.4	70.7	73.3	73.7	73.8	74.1	74.1	74.6
≥ 80		24.1	37.0	51.3	60.4	63.3	70.8	73.7	75.3	76.9	79.6	80.2	80.3	80.6	80.6	81.1
≥ 60		24.9	39.2	54.2	63.7	67.3	75.3	78.3	79.9	81.5	84.7	85.3	85.4	85.7	85.7	86.1
≥ 40		25.1	39.9	54.9	64.6	68.9	76.9	80.1	81.6	83.4	87.1	87.9	88.2	88.6	88.6	89.0
≥ 30		25.1	40.0	55.1	64.9	69.5	77.5	80.6	82.2	84.0	87.7	88.4	88.7	89.2	89.2	89.6
≥ 20		25.1	40.0	55.3	66.2	70.8	79.0	82.5	84.7	86.7	91.0	91.8	92.1	92.5	92.5	92.9
≥ 10		25.1	40.0	55.3	66.2	70.8	79.0	82.9	85.3	87.9	92.6	93.6	93.9	94.4	94.4	94.8
≥ 5		25.1	40.0	55.3	66.2	70.8	79.2	83.2	85.8	89.3	94.2	95.3	95.7	96.4	96.4	96.8
≥ 3		25.1	40.0	55.3	66.2	70.8	79.2	83.2	85.8	89.6	94.5	95.8	96.7	97.3	97.3	97.7
≥ 2		25.1	40.0	55.3	66.2	70.8	79.2	83.2	85.8	89.6	94.5	95.8	96.7	97.3	97.3	97.7
≥ 1		25.1	40.0	55.3	66.2	70.8	79.2	83.2	85.8	89.6	94.5	95.8	96.7	97.3	97.3	97.7
≥ .5		25.1	40.0	55.3	66.2	70.8	79.2	83.2	85.8	89.6	94.5	95.8	96.7	97.3	97.3	97.7
≥ .25		25.1	40.0	55.3	66.2	70.8	79.2	83.2	85.8	89.6	94.5	95.8	96.7	97.3	97.3	97.7
≥ .1		25.1	40.0	55.3	66.2	70.8	79.2	83.2	85.8	89.6	94.5	95.8	96.7	97.3	97.3	97.7
≥ .05		25.1	40.0	55.3	66.2	70.8	79.2	83.2	85.8	89.6	94.5	95.8	96.7	97.3	97.3	97.7
≥ .025		25.1	40.0	55.3	66.2	70.8	79.2	83.2	85.8	89.6	94.5	95.8	96.7	97.3	97.3	97.7
≥ .01		25.1	40.0	55.3	66.2	70.8	79.2	83.2	85.8	89.6	94.5	95.8	96.7	97.3	97.3	97.7

TOTAL NUMBER OF OBSERVATIONS 692

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

34068

SANDHOFEN GERMANY/COLEMAN AAF

60

JEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING				4.3	4.0	4.8	4.0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
≥ 20000				4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
≥ 18000				4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
≥ 16000				4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
≥ 14000				4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
≥ 12000				4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
≥ 10000				4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
≥ 9000		4.8	4.8	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 8000		4.8	4.8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
≥ 7000		4.8	4.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
≥ 6000		4.8	4.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
≥ 5000		4.8	4.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
≥ 4500		4.8	4.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
≥ 4000		4.8	9.5	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
≥ 3500		4.8	9.5	42.9	42.9	42.9	42.9	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 3000		4.8	9.5	52.4	52.4	52.4	52.4	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 2500		4.8	9.5	52.4	52.4	57.1	61.9	66.7	66.7	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 2000		4.8	9.5	52.4	57.1	61.9	66.7	71.4	71.4	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 1800		4.8	9.5	52.4	57.1	61.9	66.7	71.4	71.4	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 1500		4.8	9.5	52.4	57.1	61.9	76.2	81.0	81.0	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1200		4.8	9.5	52.4	57.1	61.9	76.2	81.0	81.0	85.7	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1000		4.8	9.5	52.4	57.1	61.9	76.2	81.0	81.0	85.7	90.5	90.5	90.5	90.5	90.5	90.5
≥ 900		4.8	9.5	52.4	57.1	61.9	76.2	81.0	81.0	85.7	90.5	90.5	90.5	90.5	90.5	90.5
≥ 800		4.8	9.5	52.4	57.1	61.9	76.2	81.0	81.0	85.7	90.5	90.5	90.5	90.5	90.5	90.5
≥ 700		4.8	9.5	52.4	57.1	61.9	76.2	81.0	81.0	85.7	90.5	90.5	90.5	90.5	90.5	90.5
≥ 600		4.8	9.5	52.4	57.1	61.9	76.2	81.0	81.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 500		4.8	9.5	52.4	57.1	61.9	76.2	81.0	81.0	95.2	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		4.8	9.5	52.4	57.1	61.9	76.2	81.0	81.0	95.2	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		4.8	9.5	52.4	57.1	61.9	76.2	81.0	81.0	95.2	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		4.8	9.5	52.4	57.1	61.9	76.2	81.0	81.0	95.2	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		4.8	9.5	52.4	57.1	61.9	76.2	81.0	81.0	95.2	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		4.8	9.5	52.4	57.1	61.9	76.2	81.0	81.0	95.2	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 21

PART D

SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.

2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34068 SANDHOFEN GERMANY/COLEMAN AAF
STATION

99-70

PER OD

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LIST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	7.8	2.5	1.4	2.2	1.2	1.5	2.6	1.9	3.4	5.9	69.7	8.3	4266
FEB		9.6	3.6	2.5	3.2	2.4	2.0	3.5	3.0	5.7	8.6	56.0	7.6	3907
MAR		8.7	3.9	4.1	4.6	3.9	2.7	2.8	4.0	8.5	7.0	49.8	7.3	4541
APR		5.8	4.5	2.5	3.1	3.6	3.5	4.3	3.8	8.7	12.3	48.1	7.6	4482
MAY		3.7	5.1	3.0	3.4	3.9	3.8	4.3	4.2	11.6	13.6	43.6	7.6	4556
JUN		6.4	4.2	3.4	5.2	4.4	4.7	5.3	5.3	13.2	12.3	36.2	7.1	4300
JUL		4.8	4.1	3.3	3.2	3.9	3.2	4.6	3.9	9.2	9.0	30.8	7.7	4379
AUG		5.9	5.4	3.0	4.9	4.6	4.6	4.8	5.6	11.9	12.5	36.8	7.1	4921
SEP		10.5	6.0	3.5	4.0	3.6	4.0	4.0	4.1	8.6	15.8	35.7	6.8	4632
OCT		11.6	3.7	2.2	3.9	3.5	3.4	3.0	4.0	7.6	8.6	48.5	7.2	4746
NOV		4.2	1.6	1.8	4.2	1.8	2.1	2.4	2.0	9.1	8.0	62.9	8.4	4530
DEC		5.9	1.5	1.2	2.0	2.1	1.2	1.6	2.8	4.3	6.1	71.2	8.6	4536
TOTALS		7.1	3.8	2.7	2.7	2.2	2.0	2.6	2.7	8.4	10.0	50.8	7.6	52798

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34000 SANDHOFEN GERMANY/COLEMAN AAF
STATION

60-70
PERIOD

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LAST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			
JAN	00-02											100.0	10.0	1
	03-05	12.1	1.1	1.1	4.4			1.1	1.1	1.1	2.2	75.8	8.2	91
	06-08	7.4	3.1	1.8	2.2	2.1	2.2	2.1	1.8	3.8	3.6	70.0	8.2	878
	09-11	3.8	2.3	2.0	3.4	1.9	1.9	2.9	1.4	6.3	8.4	66.1	8.5	912
	12-14	4.7	2.6	2.0	3.1	2.0	2.0	3.1	1.8	3.8	9.8	64.2	8.3	890
	15-17	6.0	2.2	2.0	2.0	1.0	2.5	4.1	1.6	3.4	9.6	62.8	8.3	850
	18-20	7.2	3.7	2.4	2.4	2.0	2.6	2.1	1.8	6.7	8.3	60.4	8.0	627
	21-23	21.1	3.3					3.3	3.3		3.3	97.9	7.0	19
TOTALS		7.8	8.8	1.4	2.2	1.2	1.8	2.6	1.9	3.4	3.9	69.7	8.3	4268

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34068 SANDHOFEN GERMANY/COLEMAN AAF
STATION

60-70 PERIOD

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
FEB	00-02													
	03-05	20.7	6.1	2.4	1.2	1.2		2.4	3.7	2.4	4.9	54.9	6.7	82
	06-08	7.7	3.5	2.9	4.0	3.0	2.4	3.0	2.4	6.5	7.5	57.6	7.7	301
	09-11	6.8	2.0	3.1	3.3	2.2	2.2	3.9	3.5	6.9	9.0	57.0	7.9	891
	12-14	3.3	3.5	2.0	3.0	2.4	2.4	3.6	3.6	5.7	10.3	57.9	8.0	831
	15-17	6.2	3.5	1.8	3.3	2.2	2.1	2.9	3.8	7.0	10.3	57.3	8.0	794
	18-20	10.6	3.1	3.1	4.2	3.1	3.1	3.3	1.8	4.9	9.3	51.5	7.3	348
	21-23													
TOTALS		9.9	3.6	2.8	2.2	2.4	3.0	3.5	3.9	3.7	8.6	56.9	7.6	3907

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DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/1AC

SKY COVER

34068 SANDHOFEN GERMANY/COLEMAN AAF
STATION

60-70

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			
APR	00-02													
	03-05	4.2	10.2	1.7	4.2	3.4	1.7	3.4	2.5	5.1	7.6	55.9	7.6	118
	06-08	7.3	3.5	3.8	3.1	3.6	2.3	3.8	3.0	7.0	10.3	51.3	7.6	922
	09-11	7.5	4.0	2.2	2.4	3.6	2.4	3.2	4.6	7.4	13.5	48.2	7.6	944
	12-14	4.8	2.6	2.1	3.7	4.1	5.3	3.8	3.8	10.6	14.4	44.9	7.7	924
	15-17	4.7	2.8	2.2	3.5	3.7	3.7	4.8	5.6	11.7	14.1	43.1	7.7	889
	18-20	6.1	3.6	2.8	1.9	3.1	2.6	6.6	3.1	10.4	13.9	43.0	7.6	685
	21-23													
TOTALS		5.8	4.5	2.5	3.1	3.9	2.5	4.3	3.8	8.7	12.3	48.1	7.6	4482

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SKY COVER

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12.

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02													
	03-05	4.9	2.9	6.8	9.7	5.8	4.9	4.9	4.9	11.7	5.8	37.9	6.8	103
	06-08	10.8	7.7	4.2	5.3	3.4	3.9	4.3	5.4	10.3	9.7	34.7	6.5	874
	09-11	8.3	4.0	3.5	4.1	5.1	5.4	6.3	5.7	10.7	11.0	35.7	6.9	925
	12-14	3.4	3.9	2.0	3.5	3.7	4.6	8.1	5.2	13.3	13.7	36.6	7.5	904
	15-17	3.4	2.1	1.9	3.3	6.1	4.9	4.4	6.2	16.3	15.6	35.8	7.6	872
	18-20	7.6	4.5	2.1	5.3	4.5	4.5	3.9	4.2	8.9	18.0	36.4	7.2	618
	21-23													
TOTALS		6.4	4.2	3.4	5.2	4.8	4.7	5.3	5.3	12.2	12.3	36.2	7.1	4900

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

SKY COVER

34068 SANDHOFEN GERMANY/COLEMAN AAF

60-70

PERIOD

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LAST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		1	2	3	4	5	6	7	8	9	10			
JUL	00-02										100.0	10.0	1	
	03-05	1.9	4.7	11.3	4.7	3.8	.9	6.6	5.7	11.3	8.5	40.6	7.1	106
	06-08	10.5	8.1	4.5	4.7	4.1	4.5	4.5	5.3	8.7	9.0	36.1	6.5	887
	09-11	10.3	5.7	3.6	3.0	4.9	4.7	5.0	5.3	11.1	12.4	33.9	6.7	932
	12-14	3.5	4.6	2.3	3.4	6.8	5.6	6.4	5.4	15.8	14.7	31.4	7.2	909
	15-17	4.4	4.8	2.4	4.5	5.3	4.5	7.8	5.6	13.8	13.8	33.1	7.2	880
	18-20	7.4	5.0	2.4	5.1	6.2	5.4	6.5	4.1	12.8	13.9	31.2	6.8	667
	21-23										100.0	10.0	1	
TOTALS		4.8	4.1	3.3	3.2	3.9	3.2	4.6	3.9	9.2	9.0	30.8	7.7	4379

SKY COVER

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SKY COVER

3400
STATION

SANDHOFEN GERMANY/COLEMAN AAF
STATION NAME

59-70

PER-02

767
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00-02													
	03-05	18.6	3.2	4.1	3.2	4.1		2.1	6.2	3.2	3.2	44.3	6.3	97
	06-08	9.2	1.9	4.1	3.0	2.6	2.7	2.5	4.0	8.0	7.3	34.6	7.6	96
	09-11	9.5	3.9	1.8	2.2	2.6	2.3	3.1	2.7	3.7	10.2	33.7	7.7	102
	12-14	10.9	3.4	1.9	2.4	3.9	2.6	3.1	3.6	10.1	11.6	46.7	7.4	100
	15-17	11.5	3.4	3.0	4.6	3.2	2.6	3.1	3.2	9.6	9.1	46.6	7.2	96
	18-20	9.7	4.6	4.3	6.1	4.3	4.2	4.3	4.2	6.9	8.0	43.1	6.8	69
	21-23													
TOTALS		11.6	3.7	3.2	3.9	3.5	2.4	3.0	4.0	7.6	8.6	48.3	7.2	474

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34068 SANDHOFEN GERMANY/COLEMAN AAF
STATION STATION NAME

59-70

PERIOD

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10	
NOV	00-02												
	03-05	11.9	1.4	4.6	1.6	.9	.9	2.6	.9	4.6	6.4	63.3	109
	06-08	4.7	1.1	2.7	2.9	4.8	2.6	2.8	2.5	4.6	8.3	65.1	895
	09-11	3.0	1.5	1.3	2.7	2.1	2.7	2.2	1.5	6.8	9.4	66.9	975
	12-14	2.6	1.6	1.2	2.7	1.7	1.9	2.2	3.3	5.9	12.9	64.1	953
	15-17	2.9	1.9	.7	1.8	2.5	2.2	2.7	2.7	6.3	13.2	63.3	912
	18-20	4.4	3.1	2.1	3.1	2.7	4.3	4.3	2.9	6.9	5.9	60.4	679
	21-23				14.3					28.6		57.1	8.4
TOTALS		4.2	1.6	1.8	4.2	1.8	2.1	2.4	2.0	9.1	8.0	62.9	4530

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34068 SANDHOFEN GERMANY/COLEMAN AAF
STATION

59-70

PER CC

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS ILST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10	
DEC	00-02												
	03-05	13.3		1.2	2.4	1.2			3.6	7.2	2.4	68.7	8.1
	06-08	6.7	1.1	1.4	2.2	2.4	1.9	1.8	1.9	4.3	5.5	70.7	8.4
	09-11	4.0	2.4	1.5	2.3	1.4	1.9	1.9	2.4	5.3	9.2	67.0	8.5
	12-14	5.9	3.4	1.7	2.3	2.1	1.4	2.1	2.1	4.8	9.3	64.9	8.3
	15-17	4.4	2.2	1.3	1.7	1.3	1.4	3.1	2.0	4.3	10.5	67.6	8.6
	18-20	6.4	1.7	1.0	3.0	1.0	2.0	2.2	2.5	4.5	5.5	69.0	8.4
	21-23					4.8			4.8			90.5	9.6
	TOTALS	8.9	1.5	1.2	2.0	2.1	1.2	1.0	2.0	4.3	6.1	71.2	8.0

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature DATA NOT AVAILABLE
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sum of values ($\sum X$), means (\bar{X}), and standard deviations (σX). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicated mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
 - a. Dry-bulb temperature
 - b. Wet-bulb temperature
 - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

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AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

34008 SANDHOFEN GERMANY/COLEMAN AFB 59-70

PAGE 2 421

WET BULB TEMPERATURE DEPRESSION INDEX												No. of Hours			
30/	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15
30/	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15
28/	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13
26/	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
24/	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9
22/	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7
20/	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5
18/	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3
16/	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
14/	13	12	11	10	9	8	7	6	5	4	3	2	1	0	-1
12/	11	10	9	8	7	6	5	4	3	2	1	0	-1	-2	-3
10/	9	8	7	6	5	4	3	2	1	0	-1	-2	-3	-4	-5
8/	7	6	5	4	3	2	1	0	-1	-2	-3	-4	-5	-6	-7
6/	5	4	3	2	1	0	-1	-2	-3	-4	-5	-6	-7	-8	-9
4/	3	2	1	0	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10	-11
2/	1	0	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10	-11	-12	-13
0/	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10	-11	-12	-13	-14	-15
-2/	-3	-4	-5	-6	-7	-8	-9	-10	-11	-12	-13	-14	-15	-16	-17
-4/	-5	-6	-7	-8	-9	-10	-11	-12	-13	-14	-15	-16	-17	-18	-19
-6/	-7	-8	-9	-10	-11	-12	-13	-14	-15	-16	-17	-18	-19	-20	-21
-8/	-9	-10	-11	-12	-13	-14	-15	-16	-17	-18	-19	-20	-21	-22	-23
TOTAL	6,429	6,211	2,127	6,666	6,952	4,000	2,400	1,100	600	400	100	100	100	100	100

53514 53514 53514

USAFETAC FORM 0 26 5 (01-4) 10-64

Element (X)	Z ₁	Z ₂	Z ₃	Z ₄	No. Obs	Mean No. of Hours with Temperature					Total
Rel. Hum.	294968624	3803620	720217,149	33314		0 F	32 F	67 F	71 F	81 F	760
Dry Bulb	162943222	2841722	32,813,460	33089		2,849	6,170	0.0	922.0	231.3	7.6
Wet Bulb	129934409	2348233	47,012,236	33314		2,113	2,311	0.0	21.4		270
Dew Point	10690821	2306213	43,111,770	33314		4,017	62.2	29.7	.5		476

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DATE: 11/11/68

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		WET BULB TEMPERATURE DEPRESSION F																														TOTAL	TOTAL
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	DB-WB Diff.	WB-B - 1.4 F
TOTAL		16.959.619.5 3.6 .5 .0																														4274	4274

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Page 1 of 1

USAFETAC
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JUL 64
0265 (O.A.) DE-SECRETED BY NSA ON 09-08-2001

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USAFETAC

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214

Time		WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
F		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. - W.B.	Dry B.	Wet B.	Dry B.
TOTAL		11.746.62 11.0 3.5 .8 .3 .1																															3735	3891	3735	
Element (X)		ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.		23902762	294713	78.913	3.172	3735	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb		3902461	147453	37.913	3.993	3801		156.7					672																							
Wet Bulb		488302	131582	35.2	3.96	3735		237.0					672																							
Dew Point		3983621	117397	31.4	3.868	3735	.7	338.8					672																							

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USAFETAC
FORM 0-26.5 (OLA)
REPLACES PREVIOUS EDITIONS. THIS FORM IS OBSOLETE.

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34069 SA WILCOX GREENA-Y/CABLE AC 14F 60-70

PAGE 2 441

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL					TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B. Diff. Bulb	Wet Bulb	Dry Bulb								
12/ 11																																			6								
10/ 9																																			4								
8/ 7																																			1								
TOTAL	4,229	329	010	51	.2	5.3	1.4	1.1	.2	.1																						4371	4350	4371									

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 PAGE 1

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USAFETAC FOR A 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

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PAGE 2 ALL

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USAFETAC
FORM 0-26.5 (OL A)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAFETAC FORM 0-26-5 (OL A) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAFETAC FORM 0-26.5 (OL A) REVISÉ PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

DATA PROCESSING UNIT
USAF ETAC
AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34C00 SA 1 CFB DEPTA V/CLE 41 1AF

60-70

PAGE 1

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Temp		WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
F		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	D.B. W.B.	Wet B.	D.B. F.		
94/	93																																						
92/	91																																						
90/	89																																						
88/	87																																						
86/	85																																						
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36/	35																																						
34/	33																																						
32/	31																																						
30/	29																																						
28/	27																																						
Element (X)		Σx^2		Σx		\bar{x}		s^2		No. Obs.		Mean No. of Hours with Temperature						Total																					
Rel. Hum.												+ 0 F		+ 32 F		+ 67 F		+ 73 F		+ 80 F		+ 93 F																	
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

PSYCHROMETRIC SUMMARY

63-7

PAGE 2 ALL

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USAFETAC FORM 0.26.5 (OLA) REVISÉD PRE 0002 (000000) + THIS FORM ARE SUBJECTIVE

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PSYCHROMETRIC SUMMARY

34068 S.A.C. BIRMINGHAM RAF

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DATE RECORDED: 11/1/71
 USAF ETAG
 AIR EATER DE 100-1-10

PSYCHROMETRIC SUMMARY

3408 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250 255 260 265 270 275 280 285 290 295 300 305 310 315 320 325 330 335 340 345 350 355 360 365 370 375 380 385 390 395 400 405 410 415 420 425 430 435 440 445 450 455 460 465 470 475 480 485 490 495 500 505 510 515 520 525 530 535 540 545 550 555 560 565 570 575 580 585 590 595 600 605 610 615 620 625 630 635 640 645 650 655 660 665 670 675 680 685 690 695 700 705 710 715 720 725 730 735 740 745 750 755 760 765 770 775 780 785 790 795 800 805 810 815 820 825 830 835 840 845 850 855 860 865 870 875 880 885 890 895 900 905 910 915 920 925 930 935 940 945 950 955 960 965 970 975 980 985 990 995 1000

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PSYCHROMETRIC SUMMARY

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0-26-5 (OL A)
REVISED PREVIOUS EDITIONS
JUL 64

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PAGE 1

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PAGE 1 CPOC-0220

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USAFETAC
FORM
JUL 04
026.5 (1.1A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1

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PAGE 1 1300-0500

USAFETAC FORM 0-26.5 (OL, A)
JUL 64
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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34068 SANDHOFFEN GERMANY/COLEMAN AAF 60-70

PAGE 1 0600-0800

Time		WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
F		0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dep.	Point																
50/	49		.3	.1															4	4																				
48/	47		2.1	1.5	.3														34	34			5	1																
46/	45		2.2	1.3	.2														32	32			21	3																
44/	43	.7	2.2	2.3	.3														48	48			42	22																
42/	41		4.7	1.1															50	50			43	29																
40/	39	.3	4.3	1.8															57	57			66	33																
38/	37	.9	7.2	.6															74	76			69	47																
36/	35	1.3	6.5	.5															72	72			80	81																
34/	33	3.2	5.4	.2															77	77			97	95																
32/	31	4.7	4.6	.2															83	83			81	105																
30/	29	4.2	2.7																61	61			77	56																
28/	27	2.3	2.2	.1															40	40			38	52																
26/	25	1.8	3.0	.2															44	44			47	31																
24/	23	1.9	3.2																45	45			43	43																
22/	21	1.5	2.5																35	35			34	43																
20/	19	.9	1.0																17	18			28	28																
18/	17	1.0	1.5																22	22			19	24																
16/	15	.6	.8																12	12			10	29																
14/	13	1.6	.8																23	23			28	17																
12/	11	.7	1.0																15	15			12	13																
10/	9	.6	.7																11	11			11	21																
8/	7	.7	.2																8	8			13	7																
6/	5	.8	.1																2	2			2	15																
4/	3	.2																	2	2			2	7																
2/	1	.2																	2	2			2	10																
0/	-1																						1																	
-2/	-3																						1																	
-8/	-9																						1																	
TOTAL		30.3	59.0	9.6	.9															878		879	878	878																

Element (X)	Σ X ²	Σ X	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Rel. Hum.	6495763	76221	86.9	8.273	878							93
Dry Bulb	962002	27726	31.6	9.944	879		45.4					93
Wet Bulb	890101	26703	30.4	9.429	878		48.2					93
Dew Point	784954	24618	28.0	10.169	878	1.3	57.4					93

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

34068 SAND-UFEN GERMANY/COLEMAN AAF 60-70

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PAGE 1 0900-1100

Time		WET BULB TEMPERATURE DEPRESSION (F)																																					TOTAL		TOTAL	
F		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry B	Wet B	Dep. P				
54/	53				.1																															1	1					
52/	51				.2																															4	4					
50/	49		1.1		.9																															14	14	1				
48/	47		1.2		1.4																															37	32	14	2			
46/	45		1.6		1.5																															33	33	17	15			
44/	43	.2	2.8		1.7																															47	47	35	16			
42/	41	.3	5.8		3.7																															63	63	63	27			
40/	39	.1	4.5		2.2																															52	42	74	50			
38/	37	.5	5.7		1.8		.1																													74	74	79	67			
36/	35	.5	5.8		.4																															52	42	64	56			
34/	33	2.3	6.5		.4																															65	55	97	91			
32/	31	2.2	5.1		.9																															71	70	85	95			
30/	29	2.4	4.3		.2																															63	63	68	92			
28/	27	1.9	4.5		.2																															62	60	62	55			
26/	25	2.1	3.0		.2																															48	48	54	36			
24/	23	.9	3.3																																	39	28	35	64			
22/	21	1.1	2.3																																	31	31	34	35			
20/	19	.9	1.2		.1																															22	20	26	30			
18/	17	.3	1.2		.1																															15	15	16	30			
16/	15	.9	1.2																																	19	19	18	18			
14/	13	.9	.3																																	15	15	20	16			
12/	11	.5	1.3																																	17	17	14	19			
10/	9	.3	.5																																	8	8	14	17			
8/	7	.1	.3																																	4	4	2	12			
6/	5	.5																																		4	5	7	7			
4/	3	.2	.1																																	2	2	3	15			
2/	1	.1																																		1	1	1	8			
0/	.1																																						2			
.2/	.3																																						3			
TOTAL		19.4	54.2	14.4	2.0																															914	914	914	914			

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6618214	77268	84.6	8.724	914	< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	
Dry Bulb	1033992	29736	32.5	9.737	914		42.4					93
Wet Bulb	955596	28296	31.1	9.167	914		47.2					93
Dew Point	821291	25881	28.3	9.844	914		57.0					93

USAFETAC FORM 3406 0-26.5 (OL A) RE-USED PREVIOUS EDITIONS OF THIS FORM ARE ILLEGAL

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

3406R SANDUSPEL GERMANY/COLEMAN AAF

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PAGE 1 1200-1400

Temp		WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL		TOTAL	
F		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB	WB	DB	WB	
58/	57																																	1	1			
56/	55																																	2	2			
54/	53																																	4	0			
52/	51																																	11	11			
50/	49																																	26	26		3	
48/	47																																	57	51		22	
46/	45																																	63	43		40	
44/	43																																	71	71		55	
42/	41																																	75	75		73	
40/	39																																	44	44		72	
38/	37																																	63	43		62	
36/	35																																	71	71		70	
34/	33																																	83	83		84	
32/	31																																	77	77		101	
30/	29																																	52	48		63	
28/	27																																	43	43		47	
26/	25																																	36	36		47	
24/	23																																	32	32		29	
22/	21																																	19	19		36	
20/	19																																	24	24		25	
18/	17																																	14	14		21	
16/	15																																	10	10		11	
14/	13																																	4	4		8	
12/	11																																	5	5		6	
10/	9																																	1	1		2	
8/	7																																					
6/	5																																					
4/	3																																					
2/	1																																					
TOTAL		8.556.227.9 6.1										1.1 .2																				890		890		890		
Element	X1	Zx	Zx	X	X	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel Hum.	3782918	71128	79.910.524	890	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																												
Dry Bulb	1194829	31629	33.3 8.941	890		33.8						93																										
Wet Bulb	150148	24684	33.4 8.222	890		41.1						93																										
Dew Point	560606	26482	29.8 9.039	890		52.9						93																										

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PSYCHROMETRIC SUMMARY

34066 SANDPAPER GERMANY/COLEMAN AAF

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PAGE 1 100-1700

USAFETAC
FORM
1 JUL 64
0265 (DLA)
REVIEW PREVIOUS EDITIONS OF THIS FORM AND OBSOLETE

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USAFETAC FORM JUL 64

100-222

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34068 S. L. FEE BERNARDY/CELESTINE AAF

61

TEMP. 2100-2300

WET BULB TEMPERATURE DEPRESSION, F.																															TOTAL		TOTAL				
																															D.B. W.B.	Dry B.	Wet B.	Dew P.			
42/ 41																																		1	1		
40/ 39																																	2	2			
38/ 37																																	3	3			
36/ 35																																	4	4			
34/ 33																																	5	5			
32/ 31																																	6	6			
30/ 29																																	7	7			
28/ 27																																	8	8			
26/ 25																																	9	9			
24/ 23																																	10	10			
22/ 21																																	11	11			
20/ 19																																	12	12			
18/ 17																																	13	13			
16/ 15																																	14	14			
14/ 13																																	15	15			
12/ 11																																	16	16			
TOTAL																																	19	19			

Element	X	Zx	X	X	No. Obs.	Mean No. of Hours with Temperature					Total
						< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F
Rel. Hum.	131082	1572	82.7	7.827	19						
Dry Bulb	20269	611	32.2	5.871	19		48.9				
Wet Bulb	14393	581	30.6	5.900	19		58.7				
Dew Point	14157	521	27.4	6.953	19		63.6				

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PSYCHROMETRIC SUMMARY

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Page 1 300-0500

USAFETAC FORM 0-26.5 (O.L.A.)
STANDARD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAFETAC
FORM
JUL 84
0-26.5 (OL A)
DEVELOPMENT OF THE...
B-17

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PSYCHROMETRIC SUMMARY

34054 S. JAMES WARD V/CLERK 1944 60-70

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Page 1 900-1100

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SAF ETAS
IR: 0001 01 1-1

PSYCHROMETRIC SUMMARY

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/PAC

PSYCHROMETRIC SUMMARY

3400P SM DUFFE' DEBRA V/CLEA B AAF

02-64

PAGE 1 1300-1300

		WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
		1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23	24-25	26-27	28-29	30	31	D.B. W.B.		D.P. B.P.		Wet Bulb		D.P.		B.P.		Wet Bulb		D.P.		B.P.				
54/	53	1.4																		1																	
52/	51																			1																	1
50/	49	1.4																		1																	1
48/	47	2.7																		2																	2
46/	45	4.1	1.4	2.7																4																4	
44/	43	2.7																		2																	2
42/	41	10.6	2.7	1.4																11																11	
40/	39	8.1	1.4																	7																7	
38/	37	1.4	4.1																	4																4	
36/	35	4.1																		3																3	
34/	33	1.4	4.1	1.4																3																3	
32/	31	2.7	4.1																	3																3	
30/	29	2.7	4.1																	3																3	
28/	27	2.7	4.1	1.4																4																4	
26/	25	4.1	9.5																	10																10	
24/	23	2.7	2.7																	4																4	
22/	21	1.4																		1																1	
20/	19		1.4																	1																1	
18/	17																																				
16/	15																																				
14/	13																																				
TOTAL		23.0	64.9	4.1	4.1															74															74		

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	963292	6419	86.7	9.428	74	< 0 F	< 32 F	> 67 F	> 73 F	> 80 F	> 93 F	93
Dry Bulb	94338	2374	32.0	8.113	74		40.2					93
Wet Bulb	86781	247	33.4	7.646	74		45.2					93
Dew Point	76601	2301	31.1	6.319	74		50.3					93

USAFETAC FORM 0-26-5 (OL A) JUL 64

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FORM
JUL 64

PAGE 1 0400-1800

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PSYCHROMETRIC SUMMARY

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USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

34068 541 FEB 1964 Y/CALIF. 100-71

PAGE 1 1200-1400

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Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains.

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USAFETAC
FORM
JUL 64
0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAFETAC
FORM 0 26-5 (OL A)
JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

Page 2 100-170

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0-26-5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

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PAGE 1 150-2200

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USAFETAC
FORM JUL 64
0-26 5 (OL A)
REPLACES FORM 0-26 5 PREVIOUS EDITIONS

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FORM
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U.S. AFETAC FORM 0-26-5 (OL A)
JUL 64

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USAFETAC 0-26.5 (CL A) FORM 0-26.5 (CL A) JUL 04

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SECRET

PSYCHROMETRIC SUMMARY

4025 5000 6000 7000 8000

WET BULB TEMPERATURE DEPRESSION										TOTAL	
										TOTAL	
60/ 65										2	2
54/ 63										1	1
52/ 61										1	1
50/ 59										1	1
53/ 57										1	1
56/ 55										1	1
54/ 53										1	1
52/ 51										1	1
50/ 49										1	1
48/ 47										1	1
46/ 45										1	1
44/ 43										1	1
42/ 41										1	1
40/ 39										1	1
38/ 37										1	1
36/ 35										1	1
34/ 33										1	1
32/ 31										1	1
30/ 29										1	1
28/ 27										1	1
26/ 25										1	1
24/ 23										1	1
TOTAL	4.447	75.5	9.5	2.5	.7					923	923

24-7

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Journal of Management Studies, 20(6), 791-806.

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

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AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
SANDHOFEN GERMANY/COLEMAN AAF. REVISED UNIFORM SUMMARY OF SURFA--ETC (U)
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PSYCHROMETRIC SUMMARY

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PAGE 2 1200-1400

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USAFETAC
FORM
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAFETAC
FORM
JUL 84
0-26-5 (OL A)

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USAFETAC FORM 0-26-5 (OL A) REVISED: PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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60-73

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PAGE 1 1900-2000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
88/ 87											.1							1	1																
82/ 81											.1							1	1																
80/ 79										.1	.1	.1						3	3																
78/ 77									.1	.1	.1							3	3																
76/ 75							.1			.1								2	2																
74/ 73							.3	.3	.3	.1	.1	.1						5	9																
72/ 71						.1	.4	.7	.4	.3								14	14																
70/ 69						.6	.6	.7	.6	.3								19	19																
68/ 67					.3	.3	1.7	.9	.9									28	29	1															
66/ 65				.4	.3	.6	1.2	.7	.6									26	26																
64/ 63				.9	.4	1.0	1.3	.7										30	30	5															
62/ 61			.1	1.0	1.3	1.0	1.2	.3										34	34	5															
60/ 59		.1	1.0	1.6	1.4	1.0	1.3	.1										46	46	14															
58/ 57		.3	1.3	3.6	1.4	1.3	1.0	.1										63	63	39	1														
56/ 55		.4	2.2	2.7	1.0	1.0		.1										52	52	38	12														
54/ 53		1.0	3.0	1.0	.9	.7	.3											52	52	71	22														
52/ 51	.1	2.0	1.7	1.4	.9	.7												48	48	90	28														
50/ 49		1.3	3.2	1.2	1.7	1.3												60	60	88	65														
48/ 47	.4	1.7	3.5	1.6	1.0	.6												61	61	59	75														
46/ 45		1.6	1.0	2.0	1.2													44	44	64	65														
44/ 43		1.9	2.2	3.0	.4													52	52	53	60														
42/ 41		1.2	1.0	1.0														26	26	49	68														
40/ 39		.6	1.4															14	14	57	59														
38/ 37		.1	.1															2	2	63	50														
36/ 35																				12	53														
34/ 33	.1																	1	1	2	35														
32/ 31																					44														
30/ 29																					19														
28/ 27																					18														
26/ 25																					14														
TOTAL	.7	12.3	23.6	21.6	12.3	10.3	9.4	4.9	3.0	1.2	.6	.1						691	691	691	691														
		</																																	

PSYCHROMETRIC SUMMARY

PAGE 1 0300-0500

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Pt.															
66/ 65																		1	1																	
64/ 63																		1	1																	
62/ 61																		2	2	1	1															
60/ 59																		3	3	2	1															
58/ 57																		13	13	8	4															
56/ 55																		8	8	11	10															
54/ 53																		10	10	7	9															
52/ 51																		13	13	6	6															
50/ 49																		13	13	21	10															
48/ 47																		14	14	3	13															
46/ 45																		21	21	21	13															
44/ 43																		9	9	15	18															
42/ 41																		4	4	11	11															
40/ 39																		3	3	4	10															
38/ 37																		1	1	1	7															
36/ 35																				2	2															
32/ 31																		1	1	1	2															
30/ 29																					1															
TOTAL	10.1	102.2	222.7	4.2	.8													119	119	119	119															

Element (X)	Z _x ²	Z _x	X	X ²	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	908129	10233	87.0	7.740	119	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	302084	3934	50.0	3.933	119		.8					93
Wet Bulb	278636	3716	48.0	3.692	119		.8					93
Dew Point	259609	3303	46.2	3.664	119		2.3					

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USAFETAC
FORMA
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

34008 SA LOREN GERMANY/CWLEA AF AF

60-71

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PAGE 1 1900-1100

Time		WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point
64/	83																																	1	1		
82/	81																																	1	1		
80/	79																																	4	4		
78/	77																																	7	7		
76/	75																																	11	11		
74/	73																																	23	23		
72/	71																																	25	25		
70/	69																																	41	41	1	
68/	67																																	58	58	2	
66/	65																																	58	58	4	
64/	63																																	78	78	26	
62/	61																																	97	97	50	
60/	59																																	114	116	73	22
58/	57																																	121	121	91	37
56/	55																																	111	111	104	49
54/	53																																	81	81	146	81
52/	51																																	55	55	162	105
50/	49																																	33	33	129	107
48/	47																																	20	20	79	125
46/	45																																	14	14	42	145
44/	43																																	5	5	25	99
42/	41																																			14	77
40/	39																																			5	42
38/	37																																			4	26
36/	35																																				17
34/	33																																				9
32/	31																																				7
30/	29																																				2
28/	27																																				2
26/	25																																				1
TOTAL		.4	7.2	17.4	25.7	21.7	15.4	6.3	4.1	1.0	.3																						960	960	960		
Element	X	Z ₁	Z ₂	X	X	X	X	No. Obs.	Mean No. of Hours with Temperature							Total																					
Rel. Hum.		4220567	02449	65.1	13.885			960	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F																							
Dry Bulb		2481608	27421	59.8	6.915			960			10.6	4.6	.5		93																						
Wet Bulb		2728639	30933	53.1	5.223			960			.3				93																						
Dew Point		2199407	45289	47.3	3.994			960			1.2				93																						

USAFETAC FORM 0-26-5 (OL A) REVIS J PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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TABLE 5



USAFETAC FORM 0-26-5 (OLA)

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PSYCHROMETRIC SUMMARY

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USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

3406⁰ SAID DFE GERMANY/CJLEPA RAE 60-71

PAGE 1 1500-1700

Temp.		WET BULB TEMPERATURE DEPRESSION (F)																																					TOTAL		TOTAL	
F		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	D.B.	W.B.	D.B.	W.B.			
92/	91																					.1	.1														2		2			
90/	89																					.3	.1														4		4			
88/	87																							.3													2		3			
86/	85																		.1					1.0												1		1				
84/	83													.1					.2			.2	.5	1.3											2		2					
82/	81																		.3			1.0	.8												2		2					
80/	79									.1					.4				.3			.7	.5												2		2					
78/	77								.1	.8				.8	.8				.8			.4		.7											3		3					
76/	75								.2	.8			1.1	.7	.7				.7			.7	.2												3		3					
74/	73						.3	.9		.8				.3				1.9	.8			.3													4		4					
72/	71						.4	1.2		1.5			.9	1.3	.7				.7			.5													5		5					
70/	69			.1	.3		.1	1.0		1.0		2.1	1.6	.5																					6		6					
68/	67				.1	.7		1.8		2.1		1.2	1.2	.1																					6		6					
66/	65			.1	.7		.8	1.4		2.5		1.3		.2																					6		6					
64/	63			.4	.9		2.5	2.6		3.1		1.3																							9		9					
62/	61		.8	.8		.8	1.6	1.8		1.5		.2		.1																					6		6					
60/	59		.5	.4		1.2	2.1	3.0		1.0		.5																							8		8					
58/	57	.1	.7	1.8		1.3	2.2	1.4		.5		.2																							7		7					
56/	55		.8	1.5		2.0	1.2	.8		.3																									6		6					
54/	53		1.1	1.5		.8	.5	.2																											2		2					
52/	51		.1	.8		.5	.1																												3		3					
50/	49		.3	.5		.1	.7																												1		1					
48/	47		.2	.1																															3		3					
46/	45																																									
44/	43																																									
42/	41																																									
40/	39																																									
38/	37																																									
36/	35																																									
34/	33																																									
32/	31																																									
30/	29																																									
28/	27																																									
26/	25																																									
Element (X)		ΣX^2		ΣX		\bar{X}		σ_X		No. Obs.		Mean No. of Hours with Temperature										Total																				
Rel. Hum.												$\leq 0 F$		$\leq 32 F$		$\leq 67 F$		$\leq 73 F$		$\leq 80 F$		$\leq 93 F$				Total																
Dry Bulb																																										
Wet Bulb																																										
Dew Point																																										

PSYCHROMETRIC SUMMARY

3406A SA [unclear] GERMANY/COLEMAN 44F 60-72

Page 2 1500-1700

[illegible]USAFETAC
FORM 0-26.5 (OL. A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

62-7

0-275 1 1000-2010

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0 26 5 (U A)

USAFETAC

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

34068 SAID-DEER GERMANY/COLEMAN AAF 60-63

PAGE 1 1300-0500

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
70/ 69		1.0				1.0																											7	2			
68/ 67																																		7	7	1	
66/ 65			1.9	4.9																													4	6	5	1	
64/ 63			3.9	1.9																													4	5	7	2	
62/ 61			2.9	1.9	1.0																												2	8	4	5	
60/ 59				7.8																														14	13	10	
58/ 57				7.8	6.0																													14	14	11	
56/ 55	3.9	6.8	2.9																															9	9	11	
54/ 53		11.7	1.9	1.0	1.0																													10	10	4	
52/ 51	1.9	4.9	2.9																																4	4	12
50/ 49		5.8	2.9	1.0																														3	3	4	
48/ 47	1.9	1.9	1.9																															1	1	3	
46/ 45		1.9	1.9																															1	1	1	
44/ 43			1.9																															2	2	1	
42/ 41		1.0																																			
40/ 39		1.0	1.9																																		
38/ 37																																					
36/ 35																																					
34/ 33																																					
TOTAL		5.8	59.2	30.1	3.9	1.0																											103	103	103	103	

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	772346	8886	66.2	7.628	103	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90
Dry Bulb	320137	5709	55.4	6.025	103			1.7				90
Wet Bulb	295052	5478	53.2	6.029	103			.9				90
Dew Point	275657	5285	51.3	6.627	103							90

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PAGE 1 0507-0900

USAFETAC
FORM 0-26-5 (OL A)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						$\leq 0^\circ \text{F}$	$\leq 32^\circ \text{F}$	$\geq 67^\circ \text{F}$	$\geq 73^\circ \text{F}$	$\geq 80^\circ \text{F}$	$\geq 93^\circ \text{F}$	Total
Rel. Hum.	5555265	69163	79.010	399	876							
Dry Bulb	3134611	52137	59.5	6,006	876			11.6	.8			90
Wet Bulb	2737727	48747	55.6	5,355	876			.7				90
Dew Point	2469934	42224	52.8	5,936	876		.1	.2				90

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USAFETAC

PAGE 1 4900-1100

[illegible]

DATA PROCESSING DIVISION
USAF ETAC
AIR /EAT-ER SERVICE/AC

PSYCHROMETRIC SUMMARY

34068 SA DENFEN GERMANY/COLEMAN 44E 60-70

PAGE 1 1200-1400

Temp. F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point										
92/ 91												.1	.1	.2												4	4									
90/ 89												.3	.4	.2												9	9									
88/ 87												.3	.2	.3	.5											13	13									
86/ 85												.1	.3	.3	.2	.3										32	32									
84/ 83													.3	.7	.1	.7										29	29									
82/ 81												.7	.3	2.0	.5	.3										53	53									
80/ 79												.1	.3	.4	2.2	2.0	.9	.1								55	55									
78/ 77												.3	1.0	1.3	1.0	1.0	.7	.1								62	62									
76/ 75												.2	1.2	2.4	3.0	1.0	.2	.2								82	82									
74/ 73												.9	.7	2.6	2.2	.7	.7									72	72	2								
72/ 71												.3	.9	2.0	2.5	1.8	1.2									70	70	12								
70/ 69												.9	2.0	2.6	1.1	.5	.1									70	70	35								
68/ 67												1.1	1.0	2.4	2.0	1.8	1.0	.3								87	87	85								
66/ 65												.4	.7	1.1	.8	1.2	.9	.2	.1							57	57	95								
64/ 63												.7	.9	1.1	1.3	.5	.3	.5	.1							50	50	109								
62/ 61												.5	.9	1.3	1.5	.1	.1	.1								54	54	118								
60/ 59												.7	1.0	.9	.4	.5	.1	.1								34	34	115								
58/ 57												.3	.4	.5	.7	.1	.2									23	23	98								
56/ 55												.3	1.1	.5	.1											19	19	80								
54/ 53												.5	.4	.1	.2	.3										12	12	59								
52/ 51												.7	.2		.3											11	11	51								
50/ 49															.1											1	1	27								
48/ 47															.2											2	2	14								
46/ 45															.1											1	1	9								
44/ 43																													2							
42/ 41																																				
40/ 39																																				
38/ 37																																				
36/ 35																																				
34/ 33																																				
32/ 31																																				
30/ 29																																				
28/ 27																																				
Element (X)	$\Sigma X'$					ΣX					\bar{X}					σ_X					No. Obs.					Mean No. of Hours with Temperature						Total				
Rel. Hum.																																				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

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USAFETAC
FORM 0.26.5 (OL A)
REVISED FEBRUARY 1974, MAY 1974, AND OCTOBER 1974

DATA PROCESS: 11/15/11
 USAF ETAC
 AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

34009 SA L-100 DEFENSE VEHICLE AAF 60-72

PAGE 1 1500-1700

WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
F																															DB-WB	Dry Bulb	Wet Bulb	Dew P.
94/ 93																							.1	.1	.1								3	3
92/ 91																							.2	.2	.2								4	4
90/ 89																							.5	.9	.7								19	19
88/ 87																							.2	.2	.2	.7	.1						17	17
86/ 85														.1	.2	.9	.9	.6														24	24	
84/ 83													.2	.2									.2	.2	.2							27	27	
82/ 81												.1	.5	1.1	2.2	1.9	.5															50	50	
80/ 79								.1	.2			.9	1.9	2.9	2.1	.9																74	74	
78/ 77								.2	.8			1.5	1.7	2.7	.8	.5																72	72	
76/ 75				.1				.3	.7			1.1	1.7	1.9	.8	.5																59	59	
74/ 73				.1		.1		.6	.8			2.1	2.3	1.8	.5	.1																72	72	
72/ 71				.2		.9		2.1	1.9			2.3	.9	.7	.2																	74	76	
70/ 69			.2	1.3	2.4			1.6	1.0			.9	.7	.2																		73	73	
68/ 67			.3	1.0	1.0			2.1	.9			.1	.2	.2																		53	53	
66/ 65		.1	1.1	.7	.8			2.4	.9			1.0	.5	.3																		70	70	
64/ 63		.5	.5	1.5	1.5			1.1	.5			.1	.2																			51	51	
62/ 61		.8	.5	1.1	.6			1.5	.3			.1																				49	49	
60/ 59	.2	.6	.6	1.1	.3			.7				.2																				33	33	
58/ 57		.3	.7	.2	.3			.2																								16	16	
56/ 55		.9	.2	.3	.2			.2																								18	18	
54/ 53		.7	.5	.1	.2																											13	13	
52/ 51		.2	.1		.1																											4	4	
50/ 49																																25	25	
48/ 47		.1																														1	1	
46/ 45		.2																														2	2	
44/ 43																																		
42/ 41																																		
40/ 39																																		
38/ 37																																		
36/ 35																																		
34/ 33																																		
32/ 31																																		
30/ 29																																		
TOTAL		.2	4.5	4.4	7.8	9.8	14.5	11.9	13.6	14.8	9.0	5.1	2.5	.9																		876	876	
Element (X)	Σ x'	Σ x	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature										Total																		
Rel. Hum.	2610204	45744	52.215	910	876	≤ 0 F	≤ 32 F	67 F	73 F	80 F	93 F						90																	
Dry Bulb	4606643	63059	72.0	8.772	876			64.2	43.5	19.8	.3						90																	
Wet Bulb	3210082	32810	60.3	3.494	876			11.2	.1						90																			
Dew Point	2434477	45813	52.3	6.638	876		1.0	.3						90																				

USAFETAC FORM 0-26.5 (OL A) 11-10-10 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

34068

SA DUEFEN GERMANY/COLEMAN AAF

62

JUL

PAGE 1 0000-0200

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																																TOTAL		TOTAL	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	D.B. W.B.		
66/ 65																																		1	1	
58/ 57																																				1
52/ 51																																				1
TOTAL																																		1	1	1

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_X	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	3600	60	60.0		1							93
Dry Bulb	4225	65	65.0		1							93
Wet Bulb	3249	57	57.0		1							93
Dew Point	2601	51	51.0		1							93

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34606 SA C-2820 GERALD Y/COLEMAN LAF
STAT IN NAME

60-64

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PAGE 1 1300-1500

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USAFETAC
FORM
JAN 64
0 26 5 (OL A)
RECEIVED FOR YOUR INFORMATION - 1 JAN 64 421 - 100-11111

USAFETAC

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34068 SALTZBURG GERMANY/COLEMAN AAF 60-72

JUL

PAGE 1 0900-0800

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
78/ 77								.2					.1																			3	3			
76/ 75								.2					.1																			4	4			
74/ 73				.2	.5			.7					.4	.2																		21	21	1		
72/ 71				.5	.8			.8					.3	.1																		22	20		1	
70/ 69			.3	1.5	1.5			.8					.4																			41	41	7	1	
68/ 67			.9	2.9	2.6			1.5					.1		.1																	75	75	23	7	
66/ 65			1.2	4.2	2.1			1.2																								78	78	35	20	
64/ 63	.1	2.5	5.5	2.9	.7			.2																								109	109	72	39	
62/ 61	.2	4.6	8.4	2.5	.4																											126	126	102	61	
60/ 59	.1	5.2	7.5	1.8	.4																											129	129	134	92	
58/ 57	.6	4.5	3.9	1.5	.3																											96	96	155	126	
56/ 55	.3	4.4	4.2	1.9	.2																											98	98	127	143	
54/ 53	.2	3.0	1.6	1.2																												56	56	88	134	
52/ 51		.3	1.6																													17	17	76	93	
50/ 49	.2	.9	.3																													13	13	46	74	
48/ 47	.1	.3																														4	4	19	45	
46/ 45																																			36	
44/ 43																																			16	
42/ 41																																			1	
40/ 39																																			1	
TOTAL	1.9	26.2	40.4	19.6	7.6	1.7	.4	.1																								890	890	890	890	

Element (X)	ΣX	ΣX^2	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2823308	71570	80.6	9.284	890	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2369236	54542	61.3	5.484	890			17.1	2.9			93
Wet Bulb	2969741	51233	57.6	4.803	890			2.2	.1			93
Dew Point	2718742	48976	52.0	5.156	890			.9				93

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ETAC

PSYCHROMETRIC SUMMARY

34068 SA LOUPE GERMANY/CHELAN AAF 60-72

JUL

PAGE 1 1900-1100

Time F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	D.P.	Wet B.	D.W.P.		
88/ 87											.1						.1		.1																3	3			
86/ 85											.1	.1		.2			.4		.4															12	12				
84/ 83											.2	.5		.3	.5		.2		.1	.1													19	19					
82/ 81											.2	.4		.5	.5																			16	16				
80/ 79						.1	.2	1.1	.7	1.8	.6		.1																					44	44				
78/ 77					.2	.2	1.1	1.5	.9	.3										.1														40	40	1			
76/ 75			.1	.3	1.1	2.2	2.4	.6	.2	.1																								66	66	2			
74/ 73			.3	.4	2.0	2.5	1.8	.6	.2																									74	74	7	1		
72/ 71			.2	1.1	2.8	2.6	1.4																											75	75	16	2		
70/ 69		.3	.7	1.2	1.8	2.7	1.2	.9	.1																									80	80	32	7		
68/ 67			.7	1.9	3.5	2.6	1.1	.4																										96	96	67	11		
66/ 65		.6	1.5	2.7	4.1	2.0	.5	.2																										109	109	100	29		
64/ 63		.5	1.1	3.8	2.9	1.2	.2																											91	91	103	48		
62/ 61		.9	1.9	2.8	2.7	1.2	.2																											90	90	119	81		
60/ 59	.2	1.1	2.6	1.7	.6	.6																												64	64	125	100		
58/ 57		.4	1.5	1.6	.6																													37	37	143	115		
56/ 55		.3	.9	.6																														17	17	98	131		
54/ 53			.5																															3	3	72	131		
52/ 51																																					36	93	
50/ 49																																				15	70		
48/ 47																																						58	
46/ 45																																						32	
44/ 43																																						21	
42/ 41																																						12	
TOTAL	.2	4.2	11.0	18.5	22.5	20.3	12.1	6.2	3.1	1.0	.2	.1																						936	936	936	936		
Element (X)	Σx^2		Σx		\bar{x}		σ_x		No. Obs.		Mean No. of Hours with Temperature										Total																		
Rel. Hum.	2954498		59746		63.812		272		936		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total																
Dry Bulb	4437266		64104		68.5		7.087		936						52.2		27.2		7.3				93																
Wet Bulb	3444842		56576		60.4		5.185		936						12.4		1.0						63																
Dew Point	2885651		51693		55.2		5.737		936						2.1		.1						63																

USAFETAC FORM 0-26.5 (OL A)

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AGC

PSYCHROMETRIC SUMMARY

3406P SA DUEFE GERMANY/COLEMAN AFB 60-72

PAGE 1 1200-1400

Temp. F	WET BULB TEMPERATURE DEPRESSION (F)																																					TOTAL D.B. W.B. D.P. B.				TOTAL Wet B. D.P. B.	
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31												
96/ 95																			.1															2	2								
94/ 93																			.1															5	5								
92/ 91																			.5															1	10								
90/ 89																			.2															22	22								
88/ 87														.2	.4				.9														27	27									
86/ 85										.2	.5			1.2	.7				.9															51	51								
84/ 83										.1				.7	.9				1.0															26	26								
82/ 81						.2	.1						.7	1.5	1.4				1.1															54	54								
80/ 79							.3						.7	2.2	2.2				1.0															66	66								
78/ 77													1.1	1.7	1.7				1.1															57	57								
76/ 75										.5	1.1	1.7	1.7	1.7	1.1				.4															61	61								
74/ 73						.2	.8						2.8	2.5	1.1				.4															61	81								
72/ 71						.5	.8						1.4	2.3	1.5				.7															67	81								
70/ 69													2.4	2.2	2.2				.2															89	89								
68/ 67						.1	.3						1.0	2.2	1.6				.7															65	85								
66/ 65						.2	.7						1.4	2.0	1.5				.6															70	95								
64/ 63						.4	1.0						1.7	1.5	1.3				.5															61	98								
62/ 61						.5	1.0						1.4	.4	.8				.7															44	115								
60/ 59						.1	.9						.2	.8	.7				.1															26	146								
58/ 57						.7	.4						.8	.1																				18	110								
56/ 55						.4																												4	78								
54/ 53																																			4	49							
52/ 51																																			26	89							
50/ 49																																			2	93							
48/ 47																																					56						
46/ 45																																					48						
44/ 43																																					32						
42/ 41																																					12						
40/ 39																																					6						
TOTAL	.1	3.3	3.7	4.1	1.1	1.1	1.2	.9	1.7	.0	1.6	.5	1.0	.6	0.5	4.4	2.1	.7	.1															916	916	916							
Element (X)	Σ x'		Σ x		x̄		s ²		No. Obs.		Mean No. of Hours with Temperature										Total																						
Rel. Hum.	2795236		44918		53.4		14.7		916		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																											
Dry Bulb	5004369		67249		73.4		8.57		916				70.4	47.9	22.8	.7																											
Wet Bulb	3533442		56672		61.9		5.49		916				20.0	2.6																													
Dew Point	2756568		49930		54.5		6.18		916				2.7																														

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90-7.

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 100-10

DATA DEPRESSION 11-11
USAF ETAC
AIR ENTER SENSOR/AC

PSYCHROMETRIC SUMMARY

34058 SA DLEH DEPR V/CLETA CAP 60-70

PAGE 1 1700-2000

WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL	TOTAL	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	DB	WB	DLEH	
94/ 93																																		2	2
92/ 91																																		2	2
90/ 89																																		14	14
88/ 87																																		14	14
86/ 85																																		27	27
84/ 83																																		27	27
82/ 81																																		37	37
80/ 79																																		37	37
78/ 77																																		43	43
76/ 75																																		47	47
74/ 73																																		51	51
72/ 71																																		45	45
70/ 69																																		41	41
68/ 67																																		43	43
66/ 65																																		64	64
64/ 63																																		57	57
62/ 61																																		37	37
60/ 59																																		25	25
58/ 57																																		19	19
56/ 55																																		12	12
54/ 53																																		2	2
52/ 51																																		14	14
50/ 49																																		2	2
48/ 47																																			
46/ 45																																			
44/ 43																																			
42/ 41																																			
40/ 39																																			
TOTAL																																		669	669

Element (X)	Z _K	Z _K	Z _K	Z _K	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	2427444	38950	58,213,463		669	0 F	32 F	67 F	73 F	80 F	93 F
Dry Bulb	3317287	48159	72,008,094		669			62.6	44.0	19.7	13
Wet Bulb	2582204	41400	61,935,503		669			18.9	2.4		
Dew Point	2085316	37130	53,560,007		669			3.9	1.1		

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

34065 SA DUFFE, GERMANY/CELEA AAF 02

YOL

PAGE 1 2100-2300

Temp F		WET BULB TEMPERATURE DEPRESSION (F)																																TOTAL		TOTAL	
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB - WB	DB - P		
54/	63																																		1	1	
56/	55																																				
50/	49																																				
TOTAL																																			1	1	

Element (X)	$\sum x^2$	$\sum x$	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	3844	62	62.0		1							
Dry Bulb	3969	63	63.0		1							93
Wet Bulb	3136	56	56.0		1							93
Dew Point	2500	50	50.0		1							93

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PSYCHROMETRIC SUMMARY

34068 SA-DUFFEN GERMANY/COLEMAN AAF

60-64

PAGE 1 1300-550

USAFETAC FORM 0-26-5 (OL A) RE-USED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34068 SAIGON, VIETNAM/GERMAN V/COLEMAN AAF

59-71

PAGE 1 1600-0800

Temp.		WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
F		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB-WB	DB-R	WB-R	DB-R
78/	77									.1																								1		1	
76/	75									.1																							3		3		
74/	73									.1																							4		5		
72/	71					.2				.1																							11		11		
70/	69			.2		1.4		.6		.3																						25		26			
68/	67			.4		3.3		1.0		.4																						60		60			
66/	65			3.2		3.0		1.5		.7																						91		91			
64/	63	.5		4.5		3.2		2.0		.4																						124		126			
62/	61	.5		6.5		4.0		1.1		.3																						131		131			
60/	59	.3		5.6		4.7		2.0																								128		128			
58/	57	.8		7.3		4.7		1.2																								139		139			
56/	55	.8		7.0		4.2		.4																								123		123			
54/	53	.3		4.3		2.9		.1																								70		70			
52/	51	.3		3.0		.9																										42		42			
50/	49	.4		1.5		.2																										21		21			
48/	47	.4		.5		.1																										10		10			
46/	45			.3																												3		3			
44/	43																																				
42/	41																																				
TOTAL		4.3	4.4	4.7	6.1	1.1	1.6	2.7	.6						.3																	992		992			
																																	992		992		

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7148884	83800	84.5	8.293	992	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2593429	59477	60.0	5.257	992			10.1	.8			93
Wet Bulb	3297248	56656	57.1	4.653	992			1.2				93
Dew Point	2039988	54698	55.1	4.816	992			.1				93

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ETAC

PSYCHROMETRIC SUMMARY

34068 SALLERDEN GERMANY/CLETA AAF 59-70

PAGE 1 0900-1100

Temp. F	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew P.																
90/ 89																		1		1																	
86/ 85																		2		2																	
84/ 83																		1		1																	
82/ 81																		3		3																	
80/ 79																		4		4																	
78/ 77																		1		1																	
76/ 75																		1		1																	
74/ 73																		1		1																	
72/ 71																		1		1																	
70/ 69																		1		1																	
68/ 67																		1		1																	
66/ 65																		1		1																	
64/ 63																		1		1																	
62/ 61																		1		1																	
60/ 59																		1		1																	
58/ 57																		1		1																	
56/ 55																		1		1																	
54/ 53																		1		1																	
52/ 51																		1		1																	
50/ 49																		1		1																	
48/ 47																		1		1																	
46/ 45																		1		1																	
44/ 43																		1		1																	
42/ 41																		1		1																	
TOTAL																		1050		1050																	

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3171074	72448	69.0	12.916	1050	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93
Dry Bulb	4751594	70330	67.0	6.238	1050			45.2	18.2	3.4		63
Wet Bulb	3839216	69314	60.3	4.532	1050			9.3	.1			63
Dew Point	3318689	58787	56.0	3.106	1050			.4				63

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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0-265 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

3406R SAIGON, VIETNAM/GERMANY/COLEMAN AAF

59-71

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PAGE 1 1500-1700

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL		TOTAL	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dry Bulb	
96/ 95																					.1	.1	.1	.4	.1							0	6				
94/ 93																					.1	.2	.2									15	15				
92/ 91												.1						.5	.4	.2	.3											24	24				
90/ 89												.2						.7	.2	.6	.2											15	19				
88/ 87												.2						.3	.7	.5	.4											24	24				
86/ 85												.3	.6	.7	1.1	1.1		.7	.1	.1												27	27				
84/ 83												.8	.9	.5	1.2	.3	.1	.5	.1													43	43				
82/ 81												.3	1.3	1.5	1.1	1.7	.5															51	51				
80/ 79											.4	1.7	1.7	1.8	1.4	.6																74	76				
78/ 77									.1	1.6	.9	1.9	1.9	.9				.6														64	64	2			
76/ 75					.2	.4	2.4	1.4	2.1	1.8																						83	83	2			
74/ 73			.4	.6	.8	1.2	2.1	2.3	1.2	.7	.2																					93	93	17	1		
72/ 71			.1	.5	.9	1.8	1.8	1.6	1.6																							77	77	34	1		
70/ 69		.1	1.1	1.2	1.3	1.8	2.2	2.2																								98	98	60	4		
68/ 67		.1	1.4	1.1	1.8	1.7	1.9	1.1																								91	91	102	8		
66/ 65		.2	1.2	1.2	1.7	1.1	.8	.1																								63	63	104	32		
64/ 63		1.1	1.2	1.9	1.5	1.2	.3																									73	73	126	61		
62/ 61		.6	.5	.4	.9	.3																										27	27	151	92		
60/ 59		.3	1.1	.3	.3																											20	20	131	93		
58/ 57	.1	1.1	.2	.2																												16	16	123	105		
56/ 55		.4																														4	4	87	131		
54/ 53																																		35	128		
52/ 51																																		11	97		
50/ 49																																			80		
48/ 47																																			67		
46/ 45																																			50		
44/ 43																																			24		
42/ 41																																			9		
40/ 39																																			1		
38/ 37																																			2		
TOTAL	.1	4.0	7.0	7.7	9.9	13.1	14.7	16.7	10.7	8.7	4.5	1.6	.8	.4	.1																	987	987	987	987		
Element (X)	Σ x ²		Σ x		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature							Total																			
Rel. Hum.	2130957		53329		54.215		202		987																												
Dry Bulb	5416450		72664		73.6		8.234		987																												
Wet Bulb	3844308		61400		62.2		5.004		987																												
Dew Point	3019903		54281		55.0		5.930		987																												

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USAFETAC 0-26-5 (OL A) FORM JUL 64 REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

34098 54 D-DEP GERMANY/CLEMAN AAF 59-71

SEP

PAGE 1 1600-0800

WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL				TOTAL			
																																	DB	WB	D-WB					
70/ 69						.3		.1																								4	4							
69/ 67					.9	.2		.2																								13	12							
66/ 65			.6	1.1	1.0		.1																									24	26							
64/ 63			.9	2.1	.8																												35	35						
62/ 61	.4	4.0	2.6	.3				.1																									70	70						
60/ 59	1.1	4.5	2.4	1.0																													63	59						
58/ 57	2.2	6.5	3.7	.6																													120	120						
56/ 55	2.3	6.7	2.9	.2																													112	112						
54/ 53	1.7	6.5	3.2	.2		.1																											100	110						
52/ 51	.9	7.0	1.9	.3																													94	98						
50/ 49	1.5	4.4	1.4	.1																													69	69						
48/ 47	2.2	4.4	1.2	.1																													77	77						
46/ 45	1.2	3.4	.4	.1																													47	47						
44/ 43	1.3	2.1	.3	.1																													35	35						
42/ 41	.3	1.3																															15	15						
40/ 39	.2	.9																															11	12						
38/ 37	.1	.3																															6	5						
36/ 35																																								
34/ 33																																								
32/ 31																																								
TOTAL	15.6	53.6	24.5	5.5	.5	.3																										924	933							
																																	924	924						

Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7271900	81602	88.2	8.400	924	< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	
Dry Bulb	2770134	50498	54.1	6.298	924			1.00				90
Wet Bulb	2551894	48262	52.2	5.874	924							90
Dew Point	2406966	46842	50.7	5.919	924			1.1				90

USAFETAC FORM 0-26-5 (OL A) REVISED EDITIONS OF THIS FORM ARE OBSOLETE

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USAFETAC
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JUL 68
0-26 5 (O-L A)
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JUL 68

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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DATE: 1 1990-2000

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

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0-26.5 (O₂A)

USAFETAC

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USAFETAC FORM 0.26.5 (CL. A) REVISED APRIL 1975, EDITION 000001 10-000001 10-000001

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WET BULB TEMPERATURE DEPRESSION (F)																																TOTAL				TOTAL			
																																DR	WB	Dry B.	Wet B.				
52/ 61																																			1	1			
60/ 59	1.0	3.1																																	4	4	7	2	
58/ 57		2.1																																	2	2	1	3	
56/ 55		4.1																																	4	4	3	1	
54/ 53	1.0	5.2	3.1																																2	2	2	5	
52/ 51	2.1	4.1	2.1																																2	2	1	7	
50/ 49	1.0	3.1	3.1																																7	7	2	3	
48/ 47	1.0	4.3	2.1																																12	12	1	7	
46/ 45	3.1	6.2																																	11	11	14	11	
44/ 43	3.1	5.2	2.1																																12	12	13	13	
42/ 41	2.1	5.2																																	7	7	11	10	
40/ 39	4.1	4.1																																	3	3	6	9	
38/ 37	2.1	3.1																																	3	3	5	5	
36/ 35	2.1	2.1																																	4	4	5	5	
34/ 33	2.1	1.0																																	2	3	3	4	
32/ 31																																						1	
30/ 29	1.0	1.0																																	2	2	7	1	
28/ 27																																						1	
TOTAL	25.8	40.5	12.4	1.0																														97	97	97	97		

Element (X)	Σ X	Σ X²	Σ X³	Σ X⁴	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	13774	8858	91.2	7.119	97	0 F	32 F	67 F	73 F	80 F	93 F	93
Dry Bulb	211572	4478	46.2	7.104	97		1.9					93
Wet Bulb	199694	4352	44.9	5.799	97		1.9					93
Dew Point	189719	4239	43.7	6.824	97		2.9					93

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ETAC

PSYCHROMETRIC SUMMARY

34053 SA D-1000 GERMANIA AAF

59-72

CGT

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WET BULB TEMPERATURE DEPRESSION (F)																																TOTAL		TOTAL	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB - WB	DB - WB	DB - WB	DB - WB	
65/ 65																																2	2		
64/ 63																																3	3		
62/ 61																																15	15	1	
60/ 59																																13	13	17	
58/ 57																																51	51	32	
56/ 55																																72	72	55	
54/ 53																																76	76	64	
52/ 51																																92	92	81	
50/ 49																																89	89	89	
48/ 47																																100	100	66	
46/ 45																																111	111	96	
44/ 43																																80	80	112	
42/ 41																																55	55	98	
40/ 39																																55	55	61	
38/ 37																																53	53	55	
36/ 35																																33	33	33	
34/ 33																																24	24	20	
32/ 31																																13	13	5	
30/ 29																																9	9	1	
28/ 27																																2	2		
26/ 25																																			
TOTAL	20	43	4	9	16	4	2	1																								960	960		

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7914012	86840	90.5	7.818	960	< 0 F	< 32 F	> 67 F	> 73 F	> 80 F	> 93 F	
Dry Bulb	2175858	45174	47.1	7.231	960		2.3					93
Wet Bulb	2045062	43822	45.6	6.826	960		2.6					93
Dew Point	1937519	42541	44.3	6.876	960		4.7					93

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USAFETAC

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DATA PROCESSING DIVISION
SAF ETAC
AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34008

SAN JUAN DE LOS RIOS/COLEMAN AFB

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WET BULB TEMPERATURE DEPRESSION (F)																																TOTAL		TOTAL		
F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83																																1		1		
80/ 79																																1		1		
78/ 77																																2		3		
76/ 75																																4		6		
74/ 73																																12		12		
72/ 71																																21		21		
70/ 69																																24		26		
68/ 67																																44		44		
66/ 65																																65		65		
64/ 63																																79		79		
62/ 61																																75		75		
60/ 59																																80		80		
58/ 57																																101		101		
56/ 55																																121		121		
54/ 53																																99		99		
52/ 51																																54		54		
50/ 49																																78		78		
48/ 47																																50		50		
46/ 45																																52		52		
44/ 43																																11		11		
42/ 41																																18		18		
40/ 39																																7		7		
38/ 37																																				
36/ 35																																				
34/ 33																																				
32/ 31																																				
30/ 29																																				
28/ 27																																				
TOTAL	1.4	18.6	20.7	22.5	19.7	10.2	5.2	1.4																									1004	1004	1004	

Element (X)	$\Sigma x'$	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5154548	70574	70.2	313.897	1004	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	3337518	27380	27.2	7.619	1004			10.6	2.1	.1		93
Wet Bulb	2711213	21835	21.8	5.920	1004			.1				93
Dew Point	2259564	47196	47.0	6.292	1004			.5				93

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34056 SANDERF GERMANY/COLEMAN AFB 59-72

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WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL		TOTAL		
T _{db}		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	D.B. W.B.	Wet B.	Dry B.	
84/	83																																	2	2		
82/	81																																	1	1		
80/	79																																	1	1		
78/	77																																	3	3		
76/	75																																	1	1		
74/	73																																	1	1		
72/	71																																	3	3		
70/	69																																	3	3		
68/	67																																	4	4		
66/	65																																	7	7		
64/	63																																	7	7		
62/	61																																	6	6		
60/	59																																	9	9		
58/	57																																	9	9		
56/	55																																	11	11		
54/	53																																	9	9		
52/	51																																	4	4		
50/	49																																	4	4		
48/	47																																	4	4		
46/	45																																	4	4		
44/	43																																	1	1		
42/	41																																	1	1		
40/	39																																	1	1		
38/	37																																	1	1		
36/	35																																	1	1		
34/	33																																	1	1		
32/	31																																	1	1		
30/	29																																	1	1		
28/	27																																	1	1		
TOTAL																																		965	965	965	965

Element (X)	Σ x'	Σ x	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4763693	66289	68.814	271	965	< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	
Dry Bulb	2322715	26195	58.2	7.909	965			14.2	3.3	.4		93
Wet Bulb	2674716	30470	52.2	6.022	965			.6				93
Dew Point	2209425	45742	47.4	6.530	965		1.0					93

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34008 SA DUFF TERRY/COLE ALB ABF 01-71

PAGE 1 100-2000

USAFETAC FORM 0-26-5 (OL A) JUL 64
REVISED PREVIOUS EDITIONS - THIS FORM OBSOLETE

PSYCHROMETRIC SUMMARY

PAGE 1 0300-0500

WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
Temp F		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dr. Bulb	Wet Bulb	Dew P.	
58/	57				1.0																													2	2			
56/	55				0.9																													1	1			
54/	53				0.7																													1	1			
52/	51				1.0																													2	2			
50/	49				0.9	2.0																												4	4			
48/	47			0.9	1.0	2.0		0.9																										16	16			
46/	45				0.7																														4	4		
44/	43				2.0																														3	3		
42/	41				0.9	6.4																													7	7		
40/	39				3.7	9.2		0.9																											15	15		
38/	37				1.8	6.4		0.9																											10	10		
36/	35				2.8	6.4																													10	10		
34/	33				0.9	7.3																													9	9		
32/	31				2.8	6.3																													12	12		
30/	29				0.9	2.0																													4	4		
28/	27				0.9	0.9																													2	2		
26/	25				0.9	3.7																													5	5		
24/	23				0.9																														1	1		
22/	21																																					
20/	19																																					
TOTAL		17.4	71.6	1.0	0.1	0.9																													109	109	109	109

Element (X)	ΣX'	ΣX	X	X'	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	874477	9737	89.2	6.874	109	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dr. Bulb	171916	4250	39.0	7.980	109		19.8					90
Wet Bulb	160040	4106	37.7	7.090	109		21.5					90
Dew Point	147073	3929	36.0	7.103	109		31.4					

DATA PROCESSING UNIT
USAF ETAC
AIR WEATHER SERVICE/AGC

PSYCHROMETRIC SUMMARY

34068 SA. DUFFEL DEHN IV/COLEMAN SAF

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PAGE 1 1500-0820

Temp. F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Pt.	
64/ 63				.1					.1																								2	2			
62/ 61								.1	.2																								2	2			
60/ 59								.2																									2	2		1	
58/ 57			.2	.3	.4																												2	2		1	
56/ 55			.6	.9	.2	.3																											12	12			
54/ 53			.2	.6	1.2	.2																											22	22		14	
52/ 51			.6	1.2	.6	.0																											28	28		11	
50/ 49			2.9	3.7	.2	.2																											62	62		25	
48/ 47		.2	4.0	1.9		.1																											54	56		62	
46/ 45		.6	5.9	2.1																													72	78		71	
44/ 43		.2	5.4	1.6																													59	65		90	
42/ 41		2.2	5.0	1.3																													77	77		61	
40/ 39		1.6	7.4	1.7																													95	95		73	
38/ 37		2.1	3.6	.7																													57	57		86	
36/ 35		1.9	6.1	.6																													77	77		68	
34/ 33		2.1	7.5	.4																													90	90		92	
32/ 31		3.8	3.6	.2																													72	70		90	
30/ 29		2.1	3.6	.2																													52	52		60	
28/ 27		.6	.6																														12	12		26	
26/ 25		.9	.7																														14	14		11	
24/ 23		.8	.1																																8	12	
22/ 21		.3																																3	3		3
20/ 19																																					
18/ 17																																					
TOTAL	19.7	58.5	17.5	3.0	1.2																												895	895		895	

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6863891	78103	87.3	8.732	895	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	90
Dry Bulb	1500324	25976	40.2	7.787	895		16.0					90
Wet Bulb	1374331	24215	38.6	6.956	895		20.3					90
Dew Point	1237681	22725	36.6	6.782	895		29.1					90

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PSYCHROMETRIC SUMMARY

59-7.

DATE : 1990-11-00

FORM
JUL 64

USAFETAC

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PSYCHROMETRIC SUMMARY

34065 SEP 19 1964 NY/CLERK OF SUP 39-71

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USAFETAC FORM 0.26-5 (OL A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAFETAC 0.265 (OL A) FORM JUL 64

REF ID: A587-1700

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USAFETAC
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USAFETAC
FORM
JUL 64
0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PAGE 1 1500-2800

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ETAC

PSYCHROMETRIC SUMMARY

34008 SULLY FIELD, DEER VALLEY/CLEVELAND AFB

59-7

760

PAGE 1 1200-1400

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL			
	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	DB	WB	DB	WB	DB	WB	DB	WB	DB	WB	DB	WB	DB	WB	DB	WB							
64/ 63						.1																											1	1					
62/ 61						.1																											2	2					
60/ 59				.1		.1																											2	2					
58/ 57		.2	.4	.1	.1																												4	6					
56/ 55		.2	.4	.2																													4	6					
54/ 53		.1	.7	.1	.1																												17	10					
52/ 51		.7	.6	.1	.2																												16	16					
50/ 49		.4	1.4	.6	.1																												24	24					
48/ 47		.6	2.4	1.4																													42	42					
46/ 45	.2	1.3	4.4	.7																													63	63					
44/ 43		4.1	2.7	.2	.1																												68	68					
42/ 41		2.0	3.9	.6																													67	62					
40/ 39		4.2	4.5	.6	.1																												90	90					
38/ 37	.5	7.7	3.6	.5																													117	117					
36/ 35	1.1	5.1	3.4	.4																													94	94					
34/ 33	1.5	5.5	1.7	.1																													83	83					
32/ 31	1.3	4.4	1.4	.1																													68	68					
30/ 29	1.1	3.9	1.2	.1																													59	59					
28/ 27	1.3	3.0	.9																														43	43					
26/ 25	.5	1.2	.2																														19	19					
24/ 23	.9	1.9	.2																														29	29					
22/ 21	.6	.4																															12	10					
20/ 19	.9	.4																															19	13					
18/ 17	.2	.9																															11	11					
16/ 15		.6																															4	6					
14/ 13		.1																															1	1					
12/ 11	.1																																1	1					
10/ 9																																							
8/ 7																																							
6/ 5																																							
4/ 3																																							
2/ 1																																							
TOTAL	10.149	283.4	6.2	.9	.1																												949	949					

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6204103	76102	80.210	221	949	$\leq 0 F$	$< 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	
Dry Bulb	1364161	25167	37.1	6.279	949		25.5					93
Wet Bulb	1202511	25017	34.8	7.534	949		33.7					93
Dew Point	992691	29723	31.2	8.071	949		49.5					93

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USAFETAC

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WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
Temp																															DB	WB	Dry Bulb	Wet Bulb	Dew Pt	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
62/ 61					.1		.1																								2	2				
60/ 59					.1		.1																								4	4				
58/ 57			.2		.3																										6	5	2			
56/ 55					.4																										4	4	5	3		
54/ 53			.2		.5																										3	5	3	3		
52/ 51	.2		.3		.5		.1																								11	11	13	2		
50/ 49			.5		.7		.2																									23	23	12	8	
48/ 47			.8		1.2																											37	37	7	16	
46/ 45			2.3		4.5		1.0																									71	71	30	13	
44/ 43			3.7		2.5		.4																									62	60	46	12	
42/ 41			2.3		2.7		.9																									53	53	98	31	
40/ 39			5.2		5.2		.6																									99	99	53	67	
38/ 37		.3	7.7		3.4		.1																									105	105	90	67	
36/ 35	1.5		7.4		2.6		.1																									127	127	135	97	
34/ 33	1.0		4.8		2.3		.1																									74	74	100	121	
32/ 31	1.1		3.4		1.6																												52	52	71	103
30/ 29	1.2		3.4		1.0		.1																										52	52	66	62
28/ 27	1.9		2.6		.2																												44	44	59	59
26/ 25	.9		1.9		.2																												27	27	32	59
24/ 23	1.0		2.2		.3																												32	32	23	60
22/ 21	.4		1.0																														13	13	23	40
20/ 19	.3																																3	3	10	26
18/ 17	.3		.3																														5	6	3	17
16/ 15	.1		.4																														5	5	7	8
14/ 13	.1		.2																														3	3	4	6
12/ 11																																			2	5
10/ 9																																			3	3
8/ 7																																			2	2
6/ 5																																			1	1
4/ 3																																			1	1
TOTAL	10.55	1.45	1.2	5.6	1.2																											904	904	904	904	

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	8992254	73046	80.8	9.872	904	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1308376	33236	37.1	8.102	904		24.4					92
Wet Bulb	1147369	31335	34.9	7.289	904		32.2					93
Dew Point	956658	28236	31.6	7.867	904		47.7					93

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AAC

PSYCHROMETRIC SUMMARY

34068 SA D-REFEN GERMANY/CLEMAN AAF

60-70

DEC

PAGE 1 1800-2000

WET BULB TEMPERATURE DEPRESSION (F)																																TOTAL				TOTAL			
																																D.B. W.B. D.P. E.				Wet B. D.P. E.			
62/ 61					.1																													1	1				
60/ 59					.2																												2	2					
58/ 57					.3																												4	6	1				
56/ 55					.4				.3																								4	6	2				
54/ 53			.1	.1	.1			.1																									3	3		2			
52/ 51	.2		.3	.4																													7	7	10	6			
50/ 49		.3	.4	.5																													10	10	5	5			
48/ 47		.5	.6	.7																													26	26	4	7			
46/ 45		.7	.8	.9	.6																												36	36	23	14			
44/ 43		.9	1.0	1.1	.4																												42	46	41	10			
42/ 41		1.1	1.2	1.3	.1																												26	26	39	33			
40/ 39	.6	1.3	1.4	1.5																													62	62	42	32			
38/ 37	.7	1.5	1.6	1.7																													77	77	59	45			
36/ 35	1.0	1.6	1.7	1.8																													87	87	99	70			
34/ 33	1.4	1.8	1.9	2.0	.7																												76	76	91	87			
32/ 31	1.3	2.0	2.1	2.2																													58	58	66	103			
30/ 29	1.6	2.2	2.3	2.4	.4																												48	48	62	66			
28/ 27	2.3	2.4	2.5	2.6	.1																												40	40	54	46			
26/ 25	.7	2.5	2.6	2.7																													17	17	23	48			
24/ 23	1.0	2.6	2.7	2.8																													21	21	18	40			
22/ 21	1.2	2.7	2.8	2.9																													15	15	24	17			
20/ 19	1.0	2.8	2.9	3.0																													11	11	11	24			
18/ 17	.6	2.9	3.0	3.1																													4	4	5	20			
16/ 15	.1	3.0	3.1	3.2																													2	2	2	4			
14/ 13	.3	3.1	3.2	3.3																													3	3	2	8			
12/ 11																																				1			
10/ 9																																					2		
8/ 7																																					1		
TOTAL	14.2	205.2	16.6	1.2	.6																												692	692	692	692			

Element (X)	$\sum x^2$	$\sum x$	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4995482	58254	84.6	7.693	692	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	935742	24842	35.9	7.973	692		29.4					93
Wet Bulb	846832	23672	34.2	7.323	692		36.2					93
Dew Point	730640	21878	31.6	7.508	692		50.9					93

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USAFETAC
FORM 44
JUL 64
0265 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34069 SA FLEET GERRA Y/OULEMA AAF 59-70

	AN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN A
00-02	29.7						55.4						46.7
03-05	29.7	29.4	34.3	45.6	50.7	55.4	57.6	58.4	53.9	46.2	39.7	31.7	45.7
06-08	31.4	34.7	37.6	45.9	53.7	59.5	61.3	60.7	54.1	47.1	40.2	33.6	46.7
09-11	32.5	36.2	41.8	51.7	59.8	66.6	68.5	67.7	61.1	51.3	41.8	34.5	51.3
12-14	35.5	40.2	47.1	57.7	64.5	71.2	73.4	72.3	67.6	57.2	45.1	37.1	56.7
15-17	38.9	41.3	48.6	58.3	65.7	72.7	74.6	73.6	68.8	58.2	45.1	37.1	56.9
18-20	34.9	39.7	45.7	54.6	63.1	69.3	72.0	70.1	64.5	54.2	43.7	35.9	54.1
21-23	32.2		47.3				63.0		54.0		43.7	36.6	40.7
ALL HOURS	33.9	37.9	43.8	53.2	60.8	67.3	69.5	68.2	62.9	53.4	43.7	35.5	52.8

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

MEANS AND STANDARD DEVIATIONS

ETAC-10 TEMPERATURES DEG F FROM AIRCRAFT OBSERVATIONS

3406R SA 0 FEB 68 Y/C LE 4 AAF 59-7

TIME	MEAN	AN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	27.0						57.0						42.0
	S.D.													
	TOTAL OBS	1						1						2
03-05	MEAN	27.5	28.5	33.4	44.2	48.1	53.2	55.2	56.1	52.5	44.2	37.7	30.5	43.9
	S.D.	6.937	9.092	7.648	5.314	5.492	6.020	4.944	4.562	4.938	5.733	7.551	8.542	17.193
	TOTAL OBS	91	82	74	119	119	103	106	127	111	97	109	59	1221
06-08	MEAN	31.4	32.5	35.7	43.2	49.7	55.6	57.6	57.1	52.2	45.6	38.4	32.2	44.5
	S.D.	9.429	9.009	7.041	6.149	5.233	5.355	4.803	4.653	5.804	6.826	6.955	5.439	11.827
	TOTAL OBS	975	750	891	923	934	874	890	992	924	961	495	904	10317
09-11	MEAN	31.1	34.0	39.5	46.6	53.1	58.7	60.4	60.3	56.0	48.4	39.7	33.0	45.9
	S.D.	7.147	8.294	6.643	6.065	5.223	5.585	5.185	4.532	4.807	6.321	6.513	5.196	12.402
	TOTAL OBS	914	602	912	945	900	927	936	1051	986	1032	975	992	11437
12-14	MEAN	33.4	36.8	41.6	49.0	54.4	60.1	61.9	62.0	59.7	51.6	41.8	34.8	49.2
	S.D.	7.222	7.375	6.477	6.318	5.451	5.737	5.452	4.934	4.634	5.921	6.265	7.534	12.072
	TOTAL OBS	890	791	900	925	944	911	916	1025	960	1004	959	949	11169
15-17	MEAN	33.7	37.5	42.5	49.4	55.2	60.3	62.2	62.2	59.1	52.3	42.0	34.9	49.4
	S.D.	7.387	7.013	6.326	6.426	5.412	5.494	5.402	5.004	4.872	6.032	6.257	7.389	11.992
	TOTAL OBS	851	757	873	892	911	876	882	987	918	969	915	904	10731
18-20	MEAN	33.2	36.4	40.5	48.1	54.4	60.0	61.9	61.3	58.0	50.6	40.7	34.2	48.5
	S.D.	7.477	6.695	6.305	6.411	5.329	5.209	5.503	4.872	4.971	6.134	6.457	7.323	12.050
	TOTAL OBS	431	553	695	691	702	623	669	744	699	491	680	692	8767
21-23	MEAN	32.0		43.4				56.0		52.5		42.3	35.4	37.8
	S.D.	5.900		4.717								5.469	4.934	7.951
	TOTAL OBS	19		20				1		2		7	21	70
ALL HOURS	MEAN	32.2	35.2	39.6	47.1	53.2	58.7	60.6	60.4	56.6	49.6	40.5	33.7	47.6
	S.D.	6.711	8.096	7.079	6.678	5.762	5.849	5.590	5.185	5.710	6.764	6.645	7.942	12.236
	TOTAL OBS	4274	3735	4371	4495	4568	4316	4401	4926	4600	4749	4534	4345	53514

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

MEANS AND STANDARD DEVIATIONS

TEMPERATURES DERIVED FROM HOURLY OBSERVATIONS

34068 SAILOR GERMANVILLE AFB 59-7

	AN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	24.0						51.0						34.5
	S.D.													
	TOTAL OBS	1						1						2
03-05	MEAN	27.0	26.0	31.1	41.2	44.2	51.3	53.5	54.4	51.2	43.7	34.0	28.1	42.1
	S.D.	1.45	1.91	2.31	4.37	5.46	6.02	5.12	4.66	3.60	5.82	7.10	5.81	12.45
	TOTAL OBS	91	82	74	110	119	103	106	127	111	97	100	83	1221
06-08	MEAN	27.0	31.1	33.0	41.2	46.4	52.0	55.0	55.1	50.7	44.3	34.4	30.1	42.2
	S.D.	1.10	1.50	1.41	4.52	5.66	5.93	6.15	4.91	5.91	6.87	6.78	6.47	12.52
	TOTAL OBS	74	75	81	92	93	87	99	92	92	90	85	94	1017
09-11	MEAN	27.0	31.1	34.4	41.5	47.5	53.1	55.2	56.0	52.2	45.7	37.2	30.4	43.0
	S.D.	1.44	1.67	1.53	5.75	5.99	6.52	5.73	5.10	5.58	6.55	6.44	6.47	12.69
	TOTAL OBS	914	802	915	945	90	927	936	105	986	1032	975	992	11437
12-14	MEAN	29.3	32.0	35.1	41.6	47.1	52.6	54.5	55.5	52.4	47.0	38.2	31.3	43.4
	S.D.	1.39	1.73	1.93	7.41	6.51	6.75	6.18	5.78	6.05	6.39	6.39	6.07	11.60
	TOTAL OBS	89	791	920	925	944	911	916	1024	960	1004	923	949	11159
15-17	MEAN	31.1	32.5	35.4	41.3	46.7	52.3	54.4	55.0	52.2	47.4	38.3	31.6	43.4
	S.D.	1.90	1.38	1.59	7.16	6.57	6.63	6.03	5.93	6.10	6.53	6.39	7.86	11.36
	TOTAL OBS	851	737	873	892	911	876	882	987	918	965	915	904	10731
18-20	MEAN	31.3	32.6	35.2	41.6	47.2	53.6	55.5	55.7	53.4	47.6	38.0	31.6	43.8
	S.D.	1.24	1.57	1.62	7.23	6.35	5.83	6.00	5.54	5.62	6.49	6.51	7.50	11.49
	TOTAL OBS	630	553	695	691	700	623	669	744	699	691	680	692	8067
21-23	MEAN	27.4		39.4			50.0			51.0		40.7	33.3	34.9
	S.D.	1.95		5.18								5.85	5.41	8.22
	TOTAL OBS	19		20			1			2		7	21	70
ALL HOURS	MEAN	29.1	31.4	34.5	41.2	47.0	52.8	54.9	55.4	52.1	46.3	37.7	30.9	43.1
	S.D.	1.40	1.86	1.99	6.94	6.25	6.40	5.82	5.43	5.95	6.69	6.55	8.23	11.77
	TOTAL OBS	4274	3735	4371	4495	4563	4316	4401	4926	4600	4749	4524	4545	53514

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/TAC

RELATIVE HUMIDITY

34068 SALZGEBER GERMANY/COLE AFB
STATION STATION NAME

59-70

PERIOD

ALL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10	20	30	40	50	60	70	80	90		
JAN	ALL	100.0	100.0	100.0	100.0	99.9	97.7	91.6	71.9	34.6	64.4	4274
FEB		100.0	100.0	99.8	99.4	97.6	91.3	78.4	57.7	22.6	80.1	3735
MAR		100.0	100.0	99.9	97.7	92.4	80.2	62.0	38.9	13.4	74.7	4371
APR		100.0	100.0	98.6	92.6	81.0	68.1	51.6	29.2	9.5	68.4	4495
MAY		100.0	100.0	97.9	91.1	76.5	60.6	43.8	27.4	9.6	66.8	4568
JUN		100.0	100.0	98.7	91.2	74.6	58.0	43.3	27.0	8.6	65.7	4316
JUL		100.0	100.0	99.4	92.8	80.5	56.0	32.3	21.6	6.2	64.5	4401
AUG		100.0	100.0	99.4	93.9	80.2	64.4	50.3	34.5	10.6	69.7	4926
SEP		100.0	100.0	99.7	97.1	89.5	76.1	63.4	48.0	16.3	75.3	4600
OCT		100.0	100.0	100.0	99.6	96.9	88.9	76.2	57.1	29.1	80.4	4749
NOV		100.0	100.0	100.0	100.0	99.5	96.7	89.9	70.0	30.5	84.1	4534
DEC		100.0	100.0	100.0	100.0	99.9	98.9	92.7	72.0	28.4	84.7	4545
TOTALS		100.0	100.0	99.5	96.1	89.0	78.1	64.8	46.0	18.3	74.8	53514

USAFETAC

FORM
JUL 64

0-87-5 (OL 1)

RELATIVE HUMIDITY

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2.

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10	20	30	40	50	60	70	80	90		
JAN	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.0	1
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	96.7	73.6	33.2	85.2	91
	06-08	100.0	100.0	100.0	100.0	99.9	99.8	95.8	80.4	38.8	86.9	873
	09-11	100.0	100.0	100.0	100.0	100.0	99.3	92.7	70.0	30.4	84.6	914
	12-14	100.0	100.0	100.0	100.0	99.7	95.1	80.7	51.6	18.7	79.9	890
	15-17	100.0	100.0	100.0	99.9	99.4	94.7	80.8	53.8	15.6	60.0	851
	18-20	100.0	100.0	100.0	100.0	100.0	98.3	91.3	67.0	24.3	83.5	830
	21-23	100.0	100.0	100.0	100.0	100.0	94.7	94.7	78.9	10.5	82.7	19
TOTALS		100.0	100.0	100.0	100.0	99.9	97.7	91.6	71.9	34.6	84.5	4274

RELATIVE HUMIDITY

43-77

522

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10	20	30	40	50	60	70	80	90		
FEB	00-02											
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.6	85.4	34.1	87.1	52
	06-08	100.0	100.0	100.0	100.0	99.9	98.5	93.7	79.2	37.7	84.4	757
	09-11	100.0	100.0	100.0	99.9	99.0	96.4	85.7	63.1	23.1	82.1	302
	12-14	100.0	100.0	99.5	94.5	94.9	83.6	59.9	35.7	12.6	74.7	791
	15-17	100.0	99.9	99.3	97.9	93.1	79.5	57.5	32.4	11.1	72.5	757
	18-20	100.0	100.0	100.0	99.6	98.4	89.5	75.0	51.6	16.6	78.6	553
	21-23											
TOTALS		100.0	100.0	99.8	99.4	97.6	91.3	78.4	57.7	22.6	80.1	3735

RELATIVE HUMIDITY

4-70

Page 2

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RELATIVE HUMIDITY

50-70

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST.	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10	20	30	40	50	60	70	80	90		
APR	00-02											
	03-05	100.0	100.0	100.0	100.0	100.0	99.2	90.8	62.2	27.7	84.0	119
	06-08	100.0	100.0	100.0	99.9	99.9	97.1	89.1	55.7	17.0	81.1	923
	09-11	100.0	100.0	99.9	99.6	90.6	72.9	48.1	22.9	5.5	69.4	945
	12-14	100.0	99.9	97.3	86.8	65.5	43.7	26.1	9.5	1.9	58.7	925
	15-17	100.0	99.8	95.3	79.0	57.5	38.7	22.1	7.2	1.1	55.7	892
	18-20	100.0	100.0	98.8	91.0	72.2	57.3	39.1	17.8	3.8	63.8	691
	21-23											
TOTALS		100.0	100.0	98.6	92.6	81.0	68.1	51.6	29.2	9.5	68.8	4495

RELATIVE HUMIDITY

4070

PERIOD

100

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS	
		10	20	30	40	50	60	70	80			90
MAY	30-02											
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	96.6	78.2	35.3	87.0	119
	06-07	100.0	100.0	100.0	100.0	99.9	96.7	84.2	47.9	14.3	80.0	934
	08-11	100.0	100.0	100.0	97.7	86.4	61.3	35.8	12.8	2.1	65.1	360
	12-14	100.0	100.0	97.4	82.9	57.3	33.2	17.8	7.1	1.7	55.4	944
	15-17	100.0	100.0	92.0	73.5	49.9	28.8	16.1	7.2	1.5	52.7	911
	18-20	100.0	100.0	98.1	85.3	65.3	43.3	24.0	10.9	2.6	58.5	700
	21-23											
			</									

RELATIVE HUMIDITY

60-70

PERIOD

1

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST.	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS	
		10	20	30	40	50	60	70	80			90
JUN	30-02											
	03-05	100.0	100.0	100.0	100.0	100.0	99.7	98.1	76.7	29.1	86.3	103
	06-08	100.0	100.0	100.0	99.9	99.2	95.5	79.7	46.6	12.7	79.0	974
	09-11	100.0	100.0	99.8	96.7	81.6	54.2	28.5	12.6	3.1	63.2	927
	12-14	100.0	100.0	98.2	81.1	51.5	27.9	15.3	7.2	1.2	53.8	911
	15-17	100.0	100.0	95.7	73.7	47.7	26.6	14.0	7.2	2.2	52.2	876
	18-20	100.0	100.0	98.6	89.6	67.7	44.5	24.4	11.6	3.5	59.5	623
	21-23											

RELATIVE HUMIDITY

PERIOD

46
47

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10	20	30	40	50	60	70	80	90		
JUL	10-02	100.0	100.0	100.0	100.0	100.0					60.0	1
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	96.2	77.4	31.1	86.7	106
	06-08	100.0	100.0	100.0	100.0	99.9	97.2	85.1	53.4	11.9	80.4	290
	09-11	100.0	100.0	99.9	98.0	86.4	58.3	28.6	10.0	2.5	63.3	934
	12-14	100.0	100.0	98.7	83.4	50.0	27.5	12.7	6.1	1.3	53.4	916
	15-17	100.0	100.0	96.9	73.1	44.7	24.6	12.6	5.9	.7	51.5	882
	18-20	100.0	100.0	99.3	87.7	62.9	40.1	23.0	11.7	2.1	58.2	669
	21-23	100.0	100.0	100.0	100.0	100.0	100.0				62.0	1
TOTALS		100.0	100.0	99.4	92.8	80.5	56.0	32.3	20.6	6.2	64.5	4401

RELATIVE HUMIDITY

A. 2.

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS	
		10	20	30	40	50	60	70	80			90
AUG	30-02											
	03-05	100.0	100.0	100.0	100.0	100.0	99.2	98.4	82.7	29.1	86.8	127
	06-08	100.0	100.0	100.0	100.0	99.7	99.1	93.8	70.9	23.6	84.5	992
	09-11	100.0	100.0	100.0	99.2	93.0	70.3	44.1	21.6	5.0	69.0	1050
	12-14	100.0	100.0	99.3	90.6	61.7	37.3	18.7	9.0	2.2	57.4	1026
	15-17	100.0	100.0	97.6	80.1	53.1	28.7	16.4	8.7	.8	54.2	987
	18-20	100.0	100.0	99.3	93.3	73.8	51.5	30.6	14.1	3.0	62.1	744
	21-23											
												</

RELATIVE HUMIDITY

59-70

PERIOD

620

MONTH	HOURS ELST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS	
		10	20	30	40	50	60	70	80			90
SEP	30-02											
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.2	89.2	54.1	90.1	111
	06-0	100.0	100.0	100.0	100.0	100.0	99.5	97.6	79.8	44.7	88.3	924
	09-11	100.0	100.0	100.0	98.9	94.9	83.-	61.6	31.8	8.6	73.4	926
	12-14	100.0	100.0	99.2	92.7	74.5	41.5	21.6	9.0	1.8	59.5	56-
	15-17	100.0	100.0	96.5	84.7	64.2	35.1	18.5	8.5	1.6	57.2	918
	18-2	100.0	100.0	100.0	99.1	92.6	73.5	46.2	17.7	3.6	68.5	699
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		90.0	2
TOTALS		100.0	100.0	99.7	97.1	89.5	76.1	63.4	48.0	16.3	73.3	4600

RELATIVE HUMIDITY

59-70

CT
MAY 1991

PERIOD

USAFETAC FORM 0-87-5 (OL 1)
JUL 64

RELATIVE HUMIDITY

PERIOD

322

USAFETAC FORM 101 64 0-87-5 (OL 1)

RELATIVE HUMIDITY

PERIOD

200

MONTH	HOURS -LST-	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS	
		10	20	30	40	50	60	70	80			90
DEC	20-02											
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	96.4	83.1	36.1	86.0	43
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	97.3	87.8	38.6	87.2	954
	09-11	100.0	100.0	100.0	100.0	99.9	99.5	94.2	72.0	32.1	85.0	992
	12-14	100.0	100.0	100.0	100.0	99.6	96.1	82.1	57.8	18.8	80.2	949
	15-17	100.0	100.0	100.0	100.0	99.9	97.2	83.1	53.5	20.0	80.8	904
	18-20	100.0	100.0	100.0	100.0	100.0	99.6	93.5	73.0	24.9	84.6	692
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	100.0	90.5	26.6	80.1	21
TOTALS		100.0	100.0	100.0	100.0	99.9	98.9	92.7	72.0	28.4	84.7	4343

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE (MAC)
 ASHEVILLE, NORTH CAROLINA

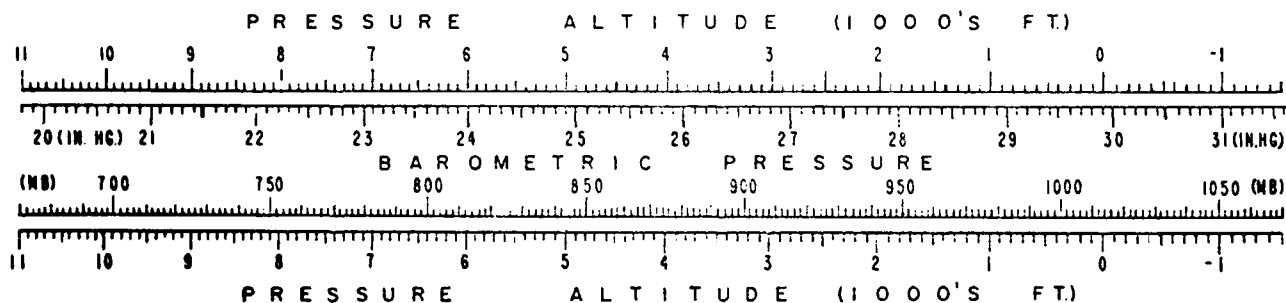
PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



DATA PROVIDED BY
USAF ETAL
AIR FORCE SERVICE/AC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM DAILY OBSERVATIONS

34758 SE DUFFE GERMANY/OLENA 4AF 59-63,65-70

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN												
04	MEAN									29.547			29.547
	S.D.									.282			.282
	TOTAL OBS.									15			15
07	MEAN	29.479	29.551	29.662	29.617	29.655	29.705	29.695	29.647	29.685	29.719	29.565	29.654
	S.D.	.314	.332	.331	.235	.175	.161	.165	.15	.189	.257	.284	.339
	TOTAL OBS.	243	217	256	254	258	247	265	315	298	304	286	3225
1	MEAN	29.712	29.601	29.677	29.629	29.563	29.709	29.698	29.658	29.703	29.735	29.606	29.637
	S.D.	.318	.330	.302	.235	.174	.161	.164	.148	.190	.258	.292	.347
	TOTAL OBS.	247	230	261	255	260	251	270	318	303	313	297	303
13	MEAN	29.405	29.503	29.659	29.611	29.545	29.690	29.686	29.643	29.684	29.725	29.590	29.627
	S.D.	.305	.327	.295	.235	.174	.161	.166	.144	.186	.251	.295	.348
	TOTAL OBS.	235	220	250	245	252	243	259	307	290	299	286	286
16	MEAN	29.400	29.563	29.634	29.586	29.623	29.670	29.667	29.623	29.662	29.704	29.575	29.616
	S.D.	.302	.32	.291	.233	.174	.161	.160	.142	.182	.247	.295	.344
	TOTAL OBS.	235	219	248	245	252	243	259	307	290	299	286	284
19	MEAN	29.500	29.565	29.661	29.595	29.621	29.673	29.675	29.63	29.661	29.742	29.596	29.631
	S.D.	.301	.297	.27	.239	.192	.149	.163	.140	.188	.240	.304	.330
	TOTAL OBS.	175	145	173	162	166	152	182	214	201	203	202	205
22	MEAN								29.700				29.700
	S.D.												
	TOTAL OBS.								1				1
ALL HOURS	MEAN	29.686	29.58	29.662	29.609	29.644	29.691	29.685	29.641	29.680	29.724	29.591	29.622
	S.D.	.304	.323	.294	.235	.177	.160	.164	.146	.187	.252	.294	.342
	TOTAL OBS.	1135	1091	1168	1161	1168	1136	1235	1461	1383	1413	1372	1360

DATA PROCESSING
SAF ETAC
AIR ESTABLISHMENT

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM 1 JULY 1958 TO 1 JULY 1959

34054 SAFL RE 10000 Y/C LE A 100 66-67

STATION	AN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN												
	S.D.												
	TOTAL OBS.												
04	MEAN								1014.7				1014.7
	S.D.								9.463				9.463
	TOTAL OBS.								13				13
07	MEAN	120.51	118.81	118.41	115.91	114.51	120.41	118.91	116.31	116.81	111.91	114.41	114.9
	S.D.	8.771	10.739	9.584	8.195	6.554	4.348	4.262	5.281	5.770	7.570	10.501	11.591
	TOTAL OBS.	29	28	31	31	31	30	31	34	30	35	43	42
10	MEAN	121.21	119.51	119.71	116.01	114.51	120.61	117.01	116.71	117.51	112.41	113.01	115.1
	S.D.	8.521	10.706	9.001	8.225	6.591	4.140	4.718	4.932	5.709	7.409	10.537	11.537
	TOTAL OBS.	29	28	31	30	31	30	36	31	35	45	51	53
13	MEAN	120.41	118.91	119.31	115.11	113.71	120.11	116.41	116.11	116.51	111.61	117.31	114.5
	S.D.	8.301	10.742	8.657	7.964	6.744	4.104	4.787	4.771	5.647	7.394	10.477	11.647
	TOTAL OBS.	29	28	31	30	31	30	36	30	35	45	51	53
16	MEAN	120.41	118.31	118.21	114.11	112.71	119.41	115.71	115.41	115.71	110.91	116.61	114.2
	S.D.	8.194	9.949	8.571	7.731	6.866	4.309	4.625	4.783	5.678	7.323	10.562	11.819
	TOTAL OBS.	29	28	31	30	31	30	36	35	35	45	51	53
19	MEAN	120.81	118.81	118.51	114.41	112.51	119.21	115.61	115.41	115.61	112.31	117.11	115.2
	S.D.	8.255	9.670	8.792	7.546	7.104	4.181	4.355	5.053	6.032	7.220	10.625	12.364
	TOTAL OBS.	29	28	31	30	31	30	31	34	30	42	47	48
22	MEAN												
	S.D.												
	TOTAL OBS.												
ALL HOURS	MEAN	120.71	118.91	118.91	115.11	113.61	119.91	116.31	116.01	116.41	111.41	117.11	114.8
	S.D.	8.004	10.229	8.828	7.870	6.760	4.196	4.674	4.958	5.761	7.334	10.407	11.697
	TOTAL OBS.	145	140	155	150	155	150	270	282	265	215	258	247

END

DATE
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